```
364 GSGKTTVGLLLMRLHQASGGQAL 386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 EVW 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     265 -IW 266
                                                                                                                                                                                                                                                         US-09-248-796A-16474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 580
                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-248-796A-16474

; Sequence 16474, Application US/09248796A

; Patent No. 6747137

; Patent No. 6747137

; Patent No. 6747137

; Patent No. 6747137

; APPLICANT: Keith Weinstock et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
                                                                                                   13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5974, Application US/09134000C
Patent No. 6617156
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLBIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                             | :|| || | : |
357 PAAFVALDALPLSPSGKVDRAALPAPDAARGGNAKV-FTEPRTEAEKALAALWTQVLGVE 415
                                                                                                                                                                                                                                                                                                                       310 LELWKNYRLINSDYYQLAIVYGVTKPENETHIRYQQAEGQLIFQWLKEQLPEILPDVALF 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :| : : | | : :: | | 370 KLKNQNKSILIFQSKRNDHLMILQNLAERLQQALPITIRFALGNAYENJEDLPNSYIEAS 429
                                                                                                                                                                           297 ELGEVEAVLRQYPDVRDAVALVREDTQGARRLVGYVVQAAELDASALRSFMKERLPDHLV 356
                                                                                                                                                                                                                                                                                              104 RINL---FLEKEGQTVSGM-----FRALGQEALSPATVPCISPELLAHLLG------ 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49 RLLGK-----IFRKQENANAVLLELLEDTDVSAIPSEVQ-GKGGVWKVIFKTPNQDTEFL 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       103 ERLNLFLEKEGQTVSGMFRALGQEALSPATVPCISPELLAHL---LG-------Q 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30 EEAEIQEVLQE-----LLELLED---
                                                                                                                                                                                                                  -----TDVSAIPSEVQGKGCVWKVIFKTPNQDTE-----FLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 LEDW--CRIMSVDEQKSLMVTGI--PAD-----FEEAE-----IQEVLQETLKSLGRY
                                                                                                   Gaps
                                                                                                74;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 547;
                                                           Length 612;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       65; Indels
                                                                                                64; Indels
                                                                                                                                                                                                                                                                                                                                                                                                     | : | | | | | : | | | | 473 AEQGLVEGPVPLTPMQ----RIFFDEWALPQPHHYNLAAVLE 510
                                                                                                                                                                                                                                                                                                                                                                             147 -- QAMAHAPQPLLPMRYRKLRVFSGS-AVPAPEEESFEVWLE 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Score 82.5; DB 4;
; Pred. No. 4.4;
38; Mismatches 65;
                                                       ; Score 84; DB 4;
; Pred. No. 3.6;
31; Mismatches 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR FILING DATE: 1997-08-15
SOFTWARE: PATENTIN NOS: 6812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     148 AMAHAPQPLLPMRYRKLRVF 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      474 ELAYPTEPTLQELRKTLKVF 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Enterococcus faecalis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 22.0%;
Matches 44; Conservative 3
                                                     Query Match
Best Local Similarity 23.9%;
Matches 53; Conservative 3
; ORGANISM: Myxococcus xanthus US-09-902-540-13545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            430 STLEASL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-134-000C-5974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JS-09-134-000C-5974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 5974
                                                                                                                                                                                                                  72
                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                     a
                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

```
US-09-328-352-7656

Sequence 7656, Application US/09328352

Sequence 7656, Application US/09328352

Sequence 7656, Application US/09328352

Sequence 7656, Application US/09328352

GENERAL INFORMATION:

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER TITLE OF INVENTION: BAUMANNI FOR DIAGNOSTICS AND THERAPEUTICS

FILE REPERENCE: GTC99-037A

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90 VNADPSKIAS----YQVFEDAAKADCAPSYALQFGSDLTTFVTQAEMYLMAPLLDQGYYV 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             206 ALQPSYAPELSSSLLGCCLRWNWYPNLLLPHKQLMVLYVQELWQMPWVGGANEYPESQS- 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     76 AIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGM------FRALGQE 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   110 ------EKEGQTVSGMFRA-----LGQEA-----LSP 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      146 VSPDYEGPKLTFTIGKQSGQAVLNSIRATLKSSKITNIKEDAKVVMWGYSGGSLASGWAA 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         32 PKGFEKAAVGDILOSRETPKSITGRFAPLKIQNSWQLLVRSEDSFGNPNAIVTTVIE--P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26 PADFEEAEIQEVLQ--ETLKSL-GRY------RLLGKIFRKQENANAVLLELLEDTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30 BEARIQEVLOETLKSLGR-----YRL-LGKIFRKGENANAVLLELLEDTDVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8.2%; Score 81.5; DB 4; Length 285; 21.0%; Pred. No. 2.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 580;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -----TEFLERLNLFL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: 107196_132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 16474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     131 ATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRV-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51; Conservative 37; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
8.2%; Score 81.5; Di
Best Local Similarity 25.2%; Pred. No. 6.1;
Matches 36; Conservative 22; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               74 VSAIPSEVQGKGGVWKVIFKTPNQD----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            127 ALSPATVPCISPELLAHLLGQAM 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Acinetobacter baumannii
US-09-328-352-7656
                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
```

```
Sequence 13545, Application US/09902540
; Sequence 13545, Application US/09902540
; Patent No. 683347
; GRNERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Glater, Steven C.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Miegand, Roger C.
; TITLE OF INVENTION: Wyxococcus xanthus Genome Sequences and Uses Thereof
; TITLE OF INVENTION: Wyxococcus xanthus Genome Sequences and Uses Thereof
; TITLE OF INVENTION: Wyxococcus xanthus Genome Sequences and Uses Thereof
; TITLE REPERBORE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: 2001-07-10
; PRIOR PILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

8.5%; Score 84.5; DE
Best Local Similarity 23.1%; Pred. No. 2.5;
Matches 51; Conservative 39; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    113 GQTVSGM-----FRALGQEA----
                                                 113 GQTVSGM-----FRALGQEA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Candida albicans
US-09-248-796A-15917
                                                                                                                                                                                                                                                                US-09-248-796A-15917
                                                                                                                                                                                407
                                        ò
                                                                                    g
                                                                                                                                   ò
                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REPERBUCE: CLOO1307;
CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR PELING DATE: 2000-10-20

PRIOR PLILNG DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SEQ ID NO 10893

LENGTH: 3838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            116 -VSGMFRALGQEALSPATVPCISPELLAHLLGQAMAH-----APQPLLPMRYRKLRVF 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7 DWCRIMSVDEQKSLMVTG-IP-----ADFEEAEIQEVLQETLKSLGRYRLLGKIFRK 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ----YRLLGKI FRKQENANAVLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67 ELLEDTDVSAIPSEVOGKGGVWKVIFKTPNQDTEFLE---RLNLFLEKEGQT-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 3838;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 121. Application US/09792024
| Sequence 121. Application US/09792024
| Patent No. 6783985
| GENERAL INFORMATION:
| APPLICANT: Roemer, Terry
| APPLICANT: Boone, Charles
| APPLICANT: Boone, Charles
| APPLICANT: Bussey, Howard
| TITLE OF INVENTION: Gene Disruption Methodologies for Drug
| TITLE OF INVENTION: Targets Discovery
| FILE REFERENCE: 10182-004-999
| CURRENT APPLICATION NUMBER: US/09/792,024
| CURRENT FILING DATE: 2001-02-20
| NUMBER OF SEQ ID NOS: 490
| SOFTWARE: FastSEQ for Windows Version 4.0
| SEQ ID NO 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.5%; Score 84.5; DB 4; Length 520; 23.1%; Pred. No. 2.5; tive 39; Mismatches 78; Indels 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 8.8%; Score 87.5; D
Best Local Similarity 24.0%; Pred. No. 22;
Matches 50; Conservative 28; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 LMVTGIPADFEEAEIQEVLQETLKSLGR-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | | ::|| | ::||
|1017 ---AQDTPARKTFEQALTGAFMSAVIKD 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         168 SGSAVPAPEEESFEVWLEQA--TEIVKE 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 23.19
Matches 51; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                               US-09-949-016-10853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-792-024-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-792-024-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
```

```
Sequence 15917, Application US/09248796A

Sequence 15917, Application US/09248796A

Patent No. 6747137

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REPRENCE: 107196-132

CURRENT APPLICATION NUMBER: US/09/248, 796A

CURRENT PILING DATE: 1999-02-12

PRIOR PEPLICATION NUMBER: US 60/074, 725

PRIOR FILING DATE: 1999-02-13

PRIOR PELING DATE: 1998-02-13

PRIOR FILING DATE: 1998-08-13

NUMBER OF SEQ ID NOS: 28208

SEQ ID NO 15917

LENGTH: 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :: | : | :: : | | | : : : | 306 R-SGNRIDLAVVTECIFTDHSSVFFDMQVEEVAWKEI------TKFLDELEKSFQEGKK 357
---TKFLDELEKSFQEGKK 350
                                                           --- LSPATVPCISPELLAHLLGQAMAHA 152
                                                                                                                   351 GRKFKTLESDNTDSFYQLGRKGEHPKRIRVTKDNLLSPPRLVAIOKERVADL----YIHN 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         58 QENANAVLLELLED----TDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLE--KE 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -----LSPATVPCISPELLAHLLGQAMAHA 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    358 GRKFKTLESDNTDSFYQLGRKGEHPKRIRVTKDNLLSPPRLVAIQKERVADL----YIHN 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 DWCRIMSVDEQKSLMVTG-IP-----ADFEEAEIQEVLQETLKSLGRYRLLGKIFRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          53; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                      PGSLF----DLRLSMSLEIPVPQGNIESIITKNKFEMVRE 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               153 POPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKE 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           414 PGSLF-----DLRLSMSLEIPVPQGNIESIITKNKPEMVRE 449
                                                                                                                                                                              153 PQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKE 193
299 R-SGNRIDLNVVTECIFTDHSSVFFDMQVEEVAWKEI---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 4;
```

Thu Sep

```
178 DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                           STREET: 600 THIR
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                      10016
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-318-837-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 LELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDMNRVLGS 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                66 LELLEDTDVSAIPSEVQGKGGVWKVIPKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQ 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              126 EALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWL 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIPKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 KAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAFFLERLHLFLAREGWTVQDVAR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                     1 QDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREENAQAIL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 MILLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVS-YRMLGRMFWREENA
                                                                                                                                                                                                                                                                                                                                            6 EDWCRIMSVDEQKSLMVTGIPADFEBAEIQEVLQETLKSLGRYRLLGKIFRKQENANAVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                        ب
ب
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                 DB 3; Length 462;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 44.3%; Score 441; DB 3; Length 329; Best Local Similarity 46.4%; Pred. No. 9.2e-39; Matches 90; Conservative 37; Mismatches 61; Indels
                                                                                                                                                                                                                                                             Query Match 44.5%; Score 443.5; DB 3; Length (Best Local Similarity 46.8%; Pred. No. 8.2e-39; Matches 89; Conservative 34; Mismatches 64; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/09189527A
Patent No. 6387639
GENERAL INFORMATION.
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REPERBNCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma TITLE OF INVENTION: Antibodies FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 13
LENGTH: 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 EVWLEOATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        185 EQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              179 EHTTEMLOMW 188
                                                                                                                                                                              TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Fas
SEQ ID NO 4
LENGTH: 329
                                                                                                                                                                                                         ; ORGANISM: nor
US-09-189-527-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JS-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
```

```
GENERAL INFORMATION:
APPLICANT: ANDRE, VAN HEUVERSWY, KATHLEEN; VAN DE VOORDE,
APPLICANT: ANDRE, VAN HEUVERSWY, HUGO
TITLE OF INVENTION: NEW POLYPEPTIDES AND PEPTIDES, NUCLEIC ACID
TITLE OF INVENTION: CODING FOR THEM, AND THEIR USE IN THE FIELD OF TUMOR THERAPY OF
TITLE OF INVENTION: IMMUNOLOGY
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  53 KIFRKQENANAVL----LELLEDTDVSAIPSEVQ----GKGGVWKVIFKTPNQDTEFLE 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      104 RINLFLEKEGQTVSGMFRALGQEALSPATVPCISPELLAHLLG------QAMAHAPQ 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       164 RTTGF---QYELMSGQ-RGLDLHVLSAPCRPCSDTEVLLAICTSDFVVRGFIEDVTHVPE 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8.8%; Score 87.5; DB 2; Length 311;
27.1%; Pred. No. 0.55;
tive 21; Mismatches 59; Indels 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    220 QQVSVIYLRVNRLHRQKSRVFQ----PAPEDSGH--WLGHVTTLLQ 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      155 PLLPMRY------RKLRVFSGSAVPAPEEESFEVWLEQATEIVK 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,837
FILING DATE: 13-0CT-1994
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/EP 93/01022
FILING DATE: 28-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 92.401.231.3
FILING DATE: 30-APR-1992
ATTORNEY AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 10.007
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 5
US-09-949-016-10853
Sequence 10853, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                               ADDRESSEE: BIERMAN AND MUSERLIAN
STREET: 600 THIRD AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFWWARE: ASCII
Sequence 9, Application US/08318837
Patent No. 5981277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : 311 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 27.1
Matches 45; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein
```

```
LENGTH: 195
                                                                                                                                                                                                                                                                                 US-09-189-527-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-189-527-7
                                                                                                                                                                                 75.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ч
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 13545, A Sequence 5974, Ap Sequence 16474, Ap Sequence 9177, Ap Sequence 31474, A Sequence 5, Appli Sequence 8, Appli Sequence 8, Appli Sequence 8, Appli Sequence 17783, Ap Sequence 10720, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Appli
Sequence 13, Appl
Sequence 4, Appli
Sequence 9, Appli
Sequence 10853, A
Sequence 121, Appli
Sequence 121, Appli
Sequence 121, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Appli
Sequence 31, Appl
Sequence 4, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Appli
Sequence 31, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 24184,
                                                                  August 26, 2005, 16:35:24; Search time 14.704 Seconds (without alignments) 989.972 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                             1 PLALLEDWCRIMSVDEQKSL......EEESFEVWLEQATEIVKEWP
                                                                                                                                                                                                                                                                                                                                         Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-189-527-7
US-09-189-527-13
US-09-189-527-4
US-08-18-837-9
US-09-949-016-10853
US-09-248-121
US-09-248-121
US-09-248-1291
US-09-328-352-7656
US-09-328-352-7656
US-09-902-540-9777
US-09-902-540-9777
US-09-902-540-9777
US-09-902-540-9777
US-09-911-44-8
US-09-911-44-8
US-09-911-44-8
US-09-911-44-8
US-09-911-44-8
US-09-911-44-8
US-09-911-0208-3
US-09-911-0208-3
US-09-911-0308-3
                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                        513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                               sw model
                                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                              protein search, using
                                                                                                                                                                                                                                                       length: 0
length: 2000000000
                                                                                                                    US-10-037-860-7
996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                                                                                       Minimum DB seq
Maximum DB seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
                                                                                                                                                                     Scoring table:
                                               ı
                                              OM protein
                                                                                                                                              Sequence:
                                                                                                                                                                                                        Searched:
                                                                                                                                                                                                                                                                                                                                            Database
                                                                      е
Е
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          No.
```

```
Sequence 2, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 6427, Ap
Sequence 945, Ap
Sequence 2, Appli
Sequence 2, Appli
Sequence 10432, App
Sequence 10432, App
Sequence 10724, A
Sequence 193, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 ANAVLLEILEDTDVSAIPSEVQGKGGWKVIFKTPNQDTEFLERLNLFLEKGGTVSGMF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 RALGGEALSPATVPCISPELLAHLLGGAMAHAPQPLLDMRYRKURVFSGSAVPAPEEESF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61 ANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 RALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                           Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Josep O. Dalmau
APPLICANT: Josep O. Dalmau
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PASESEQ for Windows Version 3.0
                                                                      US-08-136-277-2
US-08-479-403-2
US-08-835-73-2
US-08-949-016-9445
US-09-949-016-9445
US-09-949-016-9445
US-09-949-016-9445
US-09-949-018-94333
US-09-949-018-12849
US-09-949-018-12849
US-09-949-018-12849
US-09-949-018-12849
US-09-949-018-12849
US-09-949-018-12849
US-09-949-018-18-193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 996; DB 3; Best Local Similarity 100.0%; Pred. No. 1.8e-98; Matches 195; Conservative 0; Mismatches 0;
                     -09-457-046B-52
-09-866-570B-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-854-133-193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 13, Application US/09189527A; Patent No. 6387639; GENERAL INFORMATION: APPLICANT: Jerome B. Posner APPLICANT: Josep O. Dalmau; APPLICANT: Myrna R. Rosenfeld
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 7, Application US/09189527A; Patent No. 6387639; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVWLEQATEIVKEWP 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: homo sapiens
RESULT 2
US-09-189-527-13
2.87
2.89.7
2.80.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00.7
2.00
```

```
60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 NAQAIILELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120 ARVLGFQNPTPTPGPEMPAEMLNY--ILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAG 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241 GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
240 VFGSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETLLRRAVEKRAIPRRIADQVRLEQVM 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEFTLQAAMPQVS-YRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            44.3%; Score 766.5; DB 13; Length 50.2%; Pred. No. 7.4e-66; ive 50; Mismatches 103; Indels
                                                                                                                                                                                                   Sequence 13, Application US/10037860

Publication No. US20020123114A1

GENERAL INFORMATION:

APPLICANT: Jorome B. Posner

APPLICANT: Jorome B. Posner

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma

TITLE OF INVENTYON: MA FAMILY POLYPEPTIDES AND ANTI-Ma

TITLE OF INVENTYON: NATIBODIES

FILE REFERENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

CURRENT FILING DATE: 2001-01-04

PRIOR FILING DATE: 1998-11-10

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 13
                                                                                              300 AGA----TLNQMLWCRLRELKDQGPPPSFLEL 327
                                                               296 AGANHSGAIRROLWL---TGAGEGPGPKPLSV 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Search completed: August 26, 2005, 17:21:25 Job time : 89.4087 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANHSGAIRROLWL 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301 ATLPDKLRDKLKL 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 50.21
Matches 157; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                      RESULT 15
US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         238
                        유
                                                               ò
                                                                                                임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 FRALGOEGVSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYKKLRVFSGSAVPAPEEE 179
                                                                                                                                                                                                                                                                                61 NRKVALVGLTAETSHALVPKEIPGKGGIMRVIFKPPDPDNTFLSRLNBFLAGEGMTVGEL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                  180 EFGRWMFHTTQMIKAWQVPDVEKRRILESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120 ARVLGFQNPTPTP----GPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      176 NFDPWLEHTNEVLEEWQVSDVEKRRIMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                           120 ARVLGFQNPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                               176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240 VFGVTDNPRELQVKYLFITYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       236 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVS-YRMLGRMFWREE 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/10504329
Sequence 3, Application US/10504329
Publication No. US20050106569A1
GENERAL INFORMATION:
TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeuronal
TITLE OF INVENTION: antigens for neurodegenerative diseases
FILE REFERENCE: 030475wo ME/BM
CURRENT APPLICATION NUMBER: US/10/504,329
CURRENT FILING DATE: 2004-08-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13;
                                                                                                                             7;
                                                                                       Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96; Indels
                                                                                   Query Match 50.6%; Score 874.5; DB 10; Length Best Local Similarity 55.9%; Pred. No. 1.1e-76; Matches 175; Conservative 53; Mismatches. 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          44.6%; Score 770.5; DB 1
47.6%; Pred. No. 2.1e-66;
tive 65; Mismatches 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 296 AGANHSGAIRROL 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        300 AGAVHK-TIRREL 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 47.6'
Matches 158; Conservative
                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                       US-09-804-014A-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-504-329-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 3
                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       윰
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ሯ
```

5

Gaps

٠. ن

Trus Page Blank (uspto)

```
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 73
LENGTH: 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 74, Application US/09804014A; Publication No. US20030064489A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 296 AGANHSGAIRROL 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       300 AGAVHK-TIRREL 311
                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-09-804-014A-74
                                                                                                                                                                                                                       US-09-804-014A-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     240 VFGVTDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60 NAKAALLEITGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERIHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          120 ARVLGFONPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Pernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Majunder, Kunud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT PELING DATE: 2002-04-10
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR PLILING DATE: 2000-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MTLRLLEDWCRGMDMNPRKALLIAGISOSCSVAEIEEALOAGLAPLGEYRLLGRMFRRDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIBETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              84; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                 51.3%; Score 887.5; DB 2
55.4%; Pred. No. 6.9e-78;
tive 53; Mismatches 84
                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: 112301CD1
CURRENT FILING DATE: 2005-02-02
PRIOR APPLICATION NUMBER: US/09/969,680
PRIOR FILING DATE: 2001-10-02
PRIOR FILING DATE: 2000-08-14
PRIOR FILING DATE: 2000-08-14
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGram
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     296 AGANHSGAIRRQLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 73, Application US/09804014A, Publication No. US20030064489A1, GENERAL INFORMATION: APPLICANT: Li, Li
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 55.48
Matches 179; Conservative
                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                         JS-11-048-692-1
                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ଚ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  염
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ર્જ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
GENERAL INCURRATION:

APPLICANT: Li, Li

APPLICANT: Li, Li

APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Standes, Ellaa
APPLICANT: Spaderra, Steven
APPLICANT: Spaderra, Steven
APPLICANT: Spaderra, Steven
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT PILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR PELING DATE: 2000-03-14
PRIOR PELING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-14
PRIOR PELING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120 ARVLGFQNPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                         176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240 VFGVTDNPRELQVXYLTTYQXDEEXLSAYVLRLEPLLQXLVQRGAIERDAVNQARLDQVI
                                                                                                                                                                                                      1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              236 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLOKVVEKGAIDKDNVNQARLEQVI
                                                                                                7;
Query Match 50.6%; Score 874.5; DB 10; Length 312; Best Local Similarity 55.9%; Pred. No. 1.1e-76; Matches 175; Conservative 53; Mismatches 78; Indels 7;
```

295

g

셤 ò

a ò g

ò

ઠે

```
240 VFGVIDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120 ARVIGEONPT -- PTPG -- PEMPAEMINYILDNVIOPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    236 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          236 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             240 VFGVTDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQKGAIERDAVNQARLDQVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEABIEETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                           Sequence 10, Application US/10341434
; Sequence 10, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
    APPLICANT OXIGENE Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; TITLE OF INVENTION: USER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIOR FILING DATE: 2002-01-15
; PRIOR PILING DATE: 2002-01-15
; RIGHT FOR APPLICATION NUMBER: US 60/348,119
; PRIOR FILING DATE: 2002-01-15
; NUMBER: OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 51.3%; Score 887.5; DB 15; Length Best Local Similarity 55.4%; Pred. No. 6.9e-78; Matches 179; Conservative 53; Mismatches 84; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Well, AZIMZAI, Yalda
APPLICANT: BURGORD, Well, AZIMZAI, Yalda
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
CURRENT APPLICATION NUMBER: US/11/048,692
                                                                                                          296 AGANHSGAIRRQLWLTGAGEGPG 318
                                                                                                                                           300 AGAVHK-TIRRELNLPEDGPAPG 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              296 AGANHSGAIRROLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  300 AGAVHK-TIRRELNLPEDGPAPG 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/11048692
Publication No. US20050123990A1
GENERAL INFORMATION:
APPLICANT: LAL, Preeti; YUE, Henry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                   US-10-341-434-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-341-434-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 11
US-11-048-692-1
                                           a
                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                      61 NKVALVGLTARTSHALVPKEIPGKGGIMRVIFKPPDPDNTFLSRLNBFLAGEGMTVGEL 120
                              NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                   120 ARVLGFQNPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                 176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                      180 EFGRWMPHTTQMIKAWQVPDVEKRRRLLESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                               VPGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                                                                                                                                                                        60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            120 ARVLGFQNPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 176 NFDPWLEHTNEVLEEWQVSDVEKRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180 EFGRWMFHTTQMIKAMQVPDVEKRRRLLESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 51.3%; Score 887.5; DB 10; Length 351; Best Local Similarity 55.4%; Pred. No. 6.9e-78; Matches 179; Conservative 53; Mismatches 84; Indels 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/09969680A

| Publication No. US20030124649A1
| GENERAL INPORMATION:
| APPLICANT: LAL, Preeti; VUE, Henry
| APPLICANT: TANG, Y. Tom; BANDMAN, Olga
| APPLICANT: TANG, Y. Tom; BANDMAN, Olga
| APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
| APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
| APPLICANT: BANGHO, Neil; AZIMZAI, Yalda
| APPLICANT: PATTERSON, Chandra
| TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
| FILE REFERENCE: PF-0731-1 USA
| CURRENT APPLICATION NUMBER: USO0/22315
| PRIOR APPLICATION NUMBER: 60/149,641
| PRIOR APPLICATION NUMBER: 60/149,641
| PRIOR FILING DATE: 1999-08-17
| PRIOR FILING DATE: 1999-11-09
| NUMBER OF SEQ ID NOS: 74
| SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGANHSGAIRROLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   300 AGAVHK-TIRRELNLPEDGPAPG 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 9
US-09-969-680A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-969-680A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                     296
                                                                               61
                                                                                                                                                                                                                                                                                                                                               236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
```

9

239

299

g

à g a ò

ò

```
JS-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 16
LENGTH: 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                          g
                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                       B
                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          а
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 NRKVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNBFLAGEGMTVGEL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180 EFGRWMFHTTQMIKAWQVPDVEKRRILESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              240 VFGVTDNPRELLQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARVLGFONPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      176 NFDPWLEHTNEVLEEWQVSDVEKRRIMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                         60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/09965529
Fublication No. US20020182671A1
GENERAL INFORMATION:
APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: BURNORD, Neil
APPLICANT: BANDMAN, Olga
APPLICANT: BANGHAN, Neil
APPLICANT: BANGHAN, Neil
APPLICANT: BANGHAN, Neil
APPLICANT: BANGHAN, Neil
APPLICANT: BY SAUGHN, Mariah R.
APPLICANT: BY SAUGHN, Mariah R.
APPLICANT: PATTERSON, Chandra
APPLICANT: PATTERSON, Chandra
APPLICANT: PATTERSON, Chandra
APPLICANT: PATTERSON, Chandra
APPLICANT: DO FOUNG Ain M.
APPLICANT: PATTERSON, Chandra
CURRENT PILING DATE: 2001-09-26
FRIOR FILING DATE: 1999-08-17, 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 1
LENGTH 351
                                                                                                                                                                                                                                                                                          Length 321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) NAME/KEY: misc feature
; OTHER INFORMATĪON: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1
                                                                                                                                                                                                                                                                                                                                  84; Indels
                                                                                                                                                                                                                                                                                        51.3%; Score 887.5; DB 10; 55.4%; Pred. No. 6e-78;
                                                                                                                                                                                                                                                                                                                                53; Mismatches
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03.14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03.17
PRIOR PRILING DATE: 2000-03.17
PRIOR FILING DATE: 2000-03.17
PRIOR FILING DATE: 2000-03.17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PATENTIN Ver. 2.1
LENGTH: 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    296 AGANHSGAIRRQLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGAVHK-TIRRELNLPEDGPAPG 321
                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                               US-09-804-014A-39
                                                                                                                                                                                                                                                                                                                                Matches 179;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-965-529-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       236
                                                                                                                                                                                                                                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ሯ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
```

```
S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            236 VFGSVESSRDAQIKFLNYYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVI 295  
240 VFGVTDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                   180 EFGRWMFHTTQMIKAWQVPDVEKRRRLLESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                         60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                   120 ARVLGPQNPT--PTPG--PEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2002-04-24
FRIOR APPLICATION NUMBER: 60/189,316
FRIOR FILING DATE: 2000-03-10
FRIOR FILING DATE: 2000-03-10
FRIOR FILING DATE: 2000-03-14
FRIOR FILING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 NRKVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGMTVGEL
                                                                                                                                  1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEFTLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                 176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEFTLQAAM-PQVSYRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7; Gaps
                                                                        Gaps
                                                                 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 10; Length 351;
   Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84;
                                                                     53; Mismatches 84;
Score 887.5; DB 9;
Pred. No. 6.9e-78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 51.3%; Score 887.5; DB :
Best Local Similarity 55.4%; Pred. No. 6.9e-78
Matches 179; Conservative 53; Mismatches 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16, Application US/09804014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li,
APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Spadests, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Shimkets, Richard
APPLICANT: Shaderna, Steven
APPLICANT: Majumder, Kumud
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             296 AGANHSGAIRRQLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300 AGAVHK-TIRRELNLPEDGPAPG 321
   Query Match 51.3%;
Best Local Similarity 55.4%;
Matches 179; Conservative 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
```

```
FILE REFERENCE: PF-0731-1 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-804-014A-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ⋧
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ESSRDAQIXFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGRDIPGPGEETFDPW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LEHTNEVLEEWQVSDVEKRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MAMILLEDWCRGMDVNSQRALLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 92.7%; Score 1602; DB 10; Length 353; Best Local Similarity 96.6%; Pred. No. 7.2e-148; Matches 308; Conservative 1; Mismatches 10; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
                                                                                                                                GENERAL INFORMATION:

APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: BURFORD, Neil; AZIMZAL, Yalda
APPLICANT: BURFORD, Neil; AZIMZAL, Yalda
APPLICANT: BAUGHN, MARIBARBAR, Yalda
APPLICANT: PATTERSON, Chandra ASPLICANT: PATTERSON, Chandra ASPLICANT: PATTERSON, CHANGRA ASSOCIATED PROTEINS
FILE REFERENCE: PP-0731-1 USA
CURRENT FILING DAPE: 2001-10-02
PRIOR APPLICATION NUMBER: US/09/969,680A
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR PILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
SEQ ID NO 7
SEQ ID NO 7
LENGTH: 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAL, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
                                                                              Sequence 7, Application US/09969680A Publication No. US20030124649A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301 SGAIRRQLWLTGAGEGPAP 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SGAIRRQLWLTGAGEGPGP 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/11048692
Publication No. US20050123990A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
```

```
181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241 ESSRDAQIKFINITYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 AKAALLELTGAVDYAAIPREMPGKGGVWKYLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Fetrandes, Elma
APPLICANT: Fetrandes, Elma
APPLICANT: Shinkets, Richard
APPLICANT: Shinkets, Richard
APPLICANT: Shinkets, Ruchard
APPLICANT: Shinkets, Rumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT FILING DATE: 2002-04-24
PRIOR PILING DATE: 2000-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MAMTILIEDWCRGMDVNSQRALLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LEHTNEVLEEWQVSDVEKRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92.7%; Score 1602; DB 20; 96.6%; Pred. No. 7.2e-148; tive 1; Mismatches 10;
CURRENT APPLICATION NUMBER: US/11/048,692
CURRENT FILING DATE: 2005-02-02
PRIOR PILING DATE: 2005-02-02
PRIOR PILING DATE: 2005-02-02
PRIOR PILING DATE: 2000-02
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
SOFTWARE: PERL PROGRAM
SOFTWARE: PRI PROGRAM
SOFTWARE: PRI PROGRAM
TENGTH: 353
TYPER: PRI
CREATHE: FEATURE: FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39, Application US/09804014A Publication No. US20030064489Al GENERAL INFORMATION:
APPLICANT: Li, Li, APPLICANT: Padigaru, Muralidhara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301 SGAIRRQLWLTGAGEGPGP 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 96.6
Matches 308; Conservative
```

240

ö

9

```
ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                         241 ESSRDAQIKFLNIYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDABFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 RVLGFQNPTPTPGFEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12 RVLGFONPTPTPGPEMPAEMLNYILDNVIOPLVESIWYKRLTLFSGRDIPGPGETFDPW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241 ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241 ESSRDAQIKFINITYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                     LEHTNEVLEEWQVSDVEKRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                       1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MAMTLLEDWCRGMDVNSQRALLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BAUGHN, MARITAH R.
APPLICANT: IJU, Dyung Aina M.
APPLICANT: IJU, Dyung Aina M.
APPLICANT: BATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731 USA
FURRENT APPLICATION NUMBER: US/09/965,529
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 92.7%; Score 1602; DB 9;
Best Local Similarity 96.6%; Pred. No. 7.2e-148;
Matches 308; Conservative 1; Mismatches 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/09965529
| Publication No. US20020182671A1
| GENERAL INFORMATION:
| APPLICANT: LAL, Freeti
| APPLICANT: YUE, Henry
| APPLICANT: BANDMAN, Olga
| APPLICANT: BURFORD, Neil
| APPLICANT: BURFORD, Neil
| APPLICANT: BURFORD, Neil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301 SGAIRRQLWLTGAGEGPGP 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301 SGAIRRQLWLTGAGEGPAP 319
                                                                                                                                                                                                                                                                     318
                                                                                                                                                                                                                                                                                                                    SGAIRROLWLTGAGEGPG 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL Program
SEQ ID NO 7
LENGTH: 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                               JS-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                  301
                                                     181
                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                    301
                                                                                               g
                                               ઠે
                                                                                                                                                          ò
                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2

US-09-004-014A-40

i Sequence 40, Application US/09804014A

i Publication No. US20030064489A1

i GENERAL INFORMATION:

APPLICANT: Li, Li,

APPLICANT: Padigaru, Muralidhara

APPLICANT: Paringaru, Muralidhara

APPLICANT: Pernandes, Elma

APPLICANT: Spidera, Steven

APPLICANT: Spidera, Studera

CURRENT PILING DATE: 2000-03-10

PRIOR FILING DATE: 2000-03-10

PRIOR PLILING DATE: 2000-03-10

PRIOR PLILING DATE: 2000-03-10

PRIOR PLILING DATE: 2000-03-14

PRIOR PLILING DATE: 2000-03-14

PRIOR FILING DATE: 2000-03-14

PRIOR PLILING DATE: 2000-03-14

PRIOR PLILING DATE: 2000-03-14

PRIOR PLILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/180,139

PRIOR PLILING DATE: 2000-03-17

PRIOR PLILING DATE: 2000-03-17

PRIOR PLILING DATE: 2000-03-17

PRIOR PLILING DATE: 2000-03-17

PRIOR SPILING DATE: 2000-03-17

PRIOR SPILING DATE: 2000-03-17

PRIOR PLILING DATE: 2000-03-17
                                                     181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV 240
                                                                                                                                                                                                                                   ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                  ESSRDAQIKFLMTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW 180
                         RVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                              LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MAMTILLEDWCRGMDVNSQRXLLVWGIPVNCDEAEIEETILQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wherein Xaa is any amino acid as defined in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 318;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96.4%; Score 1666; DB 10;
99.7%; Pred. No. 3.3e-154;
live 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                            301 SGAIRRQLWLTGAGEGPGPKPLSVAGADP 329
                                                                                                                                                                                                                                                                                                                                           SGAIRRQLWLTGAGEGPGPKPLSVAGADP 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Wherein Xaa is CTHER INFORMATION: specification US-09-804-014A-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 99.7
Matches 317; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: VARIANT LOCATION: (20)
                                                                      121
                                                                                                                                                                                                                                                                                        241
                      121
                                                                                                                           181
                                                                                                                                                                                                                                      241
                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE
                                                                                                                                                                g
                                                                                                                                                                                                                                                                                   a
                   Š
                                                                      셤
                                                                                                                           ò
                                                                                                                                                                                                                                δ
                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

ô

Gaps

9 9 120

180

240

8

ઠે

ò

```
(without alignments)
1478.945 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MAMTILLEDWCRGMDVNSQRT.....LTGAGEGPGPKPLSVAGADP 329
                                                                                                                                                                                                                                                                          August 26, 2005, 16:45:49 ; Search time 87.4087 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PUDITIBRIED, APPLICATIONS AND TO THE COME DEPTRICATIONS AND TO THE COME SEPTICATION OF THE COME SEPTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1767149
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1767149 segs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Published Applications AA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                   OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-037-860-4
1729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Database
                                                                                                                                                                                                                                                                               Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.

12645978901

Sequence 73, Appl Sequence 3, Appl Sequence 13, Appl Sequence 13, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 22, Appl Sequence 38, Appl Sequence 38, Appl Sequence 3445, Appl Sequence 355, Appl Sequence 255, Appl Sequence 255, Appl Sequence 255, Appl Sequence 255, Appl Sequence 49641, Appl Sequence 65151, Appl Sequence 11979, Appl Sequence 11979, Appl Sequence 159,	Sequence 5485, Ap Sequence 58461, A Sequence 269372, Sequence 25, Appl Sequence 114, App Sequence 362079,
0 US-09-804-01 0 US-09-804-01 1 US-10-0514-85 1 US-10-0514-14 2 US-10-0514-14 1 US-10-0514-14 1 US-10-0514-16 1 US-10-0514-16 1 US-10-051-17 1 US-10-051-17 1 US-10-051-17 2 US-10-051-17 3 US-10-051-17 4 US-10-051-17 5 US-10-051-17 1 US-10-051-17 1 US-10-051-17 2 US-10-251-17 3 US-10-251-17 4 US-10-251-17 5 US-10-251-17 5 US-10-282-12 5 US-10-282-12 6 US-10-282-12 7 US-10-282-12 8 US-10-282-12 8 US-10-282-12 9 US-10-282-12 1 US-10-282-12 1 US-10-282-12 2 US-10-282-12 2 US-10-282-12 3 US-10-282-12 5 US-10-282-12 6 US-10-282-12 6 US-10-282-12 7 US-10-282-12 8 US-10-282-12 8 US-10-282-12 8 US-10-282-12 8 US-10-282-12	US-09-738-626-548 US-10-282-122A-5 6 US-10-425-115-26 4 US-10-080-608A-2 5 US-10-370-685-11 6 US-10-425-115-36
	64444
0.00	10.00.00.00
<ul><li>0.0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</li></ul>	00000
889 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	106.5 104.5 103 103 103
11111111111111111111111111111111111111	4 4 4 4 4 4 0 1 4 5 4 5

## ALIGNMENTS

ö 61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120 61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120 9 9 1 MAMTILEDWCRGMDVNSQRTILIVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRWFWREEN 1 MAMTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN Gaps ö DB 13; Length 329; Indels APPLICANT: JOSEPH B. Posner
APPLICANT: JOSEP O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: MR FAMILY POLYPEPTIDES AND ANTI-Ma
TITLE OF INVENTION: ANTIBODIES
TILE REFERENCE: 2581.1004.004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 2001-01-04
PRIOR PILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SSOTUMARE: FASTSEQ for Windows Version 4.0
SSOTUMARE: ASSESED FOR WINDOWS VERSION 4.0 Query Match
100.0%; Score 1729; DB 13;
Best Local Similarity 100.0%; Pred. No. 2.4e-160;
Matches 329; Conservative 0; Mismatches 0; Sequence 4, Application US/10037860 Publication No. US20020123114A1 GENERAL INFORMATION: ORGANISM: homo sapiens US-10-037-860-4 US-10-037-860-4 TYPE: PRT ઠ 셤 ò g

```
54 MFWREENAKAALLELTGAVD-YAAIPREMP-----GKGGVWKVLFKPP-TSDAEFLERL 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              106 H-----LFLAREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYK 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        218 HSEEVPLLYLGRVHWRV------NPSRTPGGR-------HRVSEEQW-- 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           160 RLTLFSGKGHPRAWRGNFDPWLEHTNEVLEEWQVS---DVEKRRLMESLRGPAADVIRI 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       252 ------PHTW-GPFPPYASGTGYVLSASAVQLILKVASRAPLL-----PLEDVFVG 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 RGMDV-----NSQRTLLVW---GIPVNCDEAEIEETLQAAMPQVSYR-----MLGR 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 5.3%; Score 91.5; DB 2; Length 378; Best Local Similarity 23.9%; Pred. No. 0.38; Matches 61; Conservative 26; Mismatches 89; Indels 79;
             MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/055,097
FILING DATE: Filed Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
ATORNEY AGENT INFORMATION:
NAME: Cerrone, Michael C.
NEGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: 39,132
REFERENCE/DOCKET NUMBER: 39,132
REFERENCE/DOCKET NUMBER: BF-0490 US
TELEPHONE: (650) 845-055
TELEPAX: (650) 845-055
TELEPAX: (650) 845-055
TELEPAX: CANADATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : : : :|:|
296 VSARRGGLAPTQCVK 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                217 LKSNNPAITTAECLK 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 378 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; STRANDENESS: single
; STRANDENESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: DUODNOTO2
; CLONE: 1705085
US-09-055-097-1
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            硆
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

Search completed: August 26, 2005, 16:50:22 Job time : 26.8083 secs

This Page Blank (uspto)

```
ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 15
US-09-055-097-1
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              965 ------GDPWIKVLSNIPQGNFTATLEEWQ----EEHDKIMKVIBGPAAPVDAFQNKA 1012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        52 GRMFWREENAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFL-- 109
                                                                                                                                                                                                                                                                                                                                                                                                                             110 -AREGWIVQDVARVLGFQNPIPIPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKG 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               272 --LOKVVE-----KGAIDKDNVNQARLEOVIAGANHSGAI--RROLMLT 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -----FGSVESSR-DAQIKFLNTYQNPGEKLSAYVIRLEPL 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                917 AASOGLTRKGVYAVROKVNENPLYAP -- ASEHVNVLLTRTEDRLV ----WKTLA-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     169 HPRAWRGNFDPWLEHTNEV-----LEEWQVSDVEKRRLMESLRGPAADV-----
                                                                                                                                                                                                                                                                          / Match 5.3%; Score 92.5; DB 3; Length 2431; Local Similarity 19.6%; Pred. No. 6.4; nes 74; Conservative 50; Mismatches 112; Indels 141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 214 -----ECLKALEQV----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSE: Birch, Sewart, Kolasch & Birch
STRET: P.O. Box 747
CITY: Falls Church
CITY: Falls Church
COUNTRY: Palls Church
ALDRESSE: Birch
COUNTRY: Palls Church
COUNTRY: Falls Church
AEDIW TYPE: Floppy disk
COMPUTER IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Liljestrom, Peter
TITLE OF INVENTION: DNA Expression Systems Based
Alphaviruses
               REFERENCE/DOCKET NUMBER: 828-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/688,842
FILING DATE: 17-Oct-2000
                                                                                                                                                                                                    MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
REGISTRATION NUMBER: 28,977
                                                                                   TELEX: 248345
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2431 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 2, Application US/09688842; Patent No. 6770283; GENERAL INFORMATION:
                                                                     TELEFAX: 703-241-2848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312 GAGEGPGPKPLSVAGAD 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Garoff, Henrik
                                                                                                                                                                 LYPE: amino acid
                                                                                                                                                                              TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-688-842-2
                                                                                                                                                                                                                                         US-08-466-277-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       237
                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                             Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
```

```
1013 NVCWAKSLVPVLDTAGIRLTAEEWSTIITÄFKEDRAYSPVVALNEICTKYYGVDLDSGLF 1072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | : ::| | :::||
1073 SAPKVSLYYENNHWDNRPGGRMYGFNAATAARLEARHTFLKGQWHTGKQAVIAERKIQPL 1132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                272 --LOKVVE-----RRQLWLT 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              110 -AREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKG 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:| ::: || :: || 865 GKMRTTINPCNKPIIIDTTG-----QTKPKPGDIVLTCFRGWAKQLQLDYRGHEVWTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52 GRMFWREENAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFL--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        169 HPRAWRGNFDPWLEHTNEV-----LEEWQVSDVEKRRLMESLRGPAADV-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -----FGSVESSR-DAQIKFLNTYQNPGEKLSAYVIRLEPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5.3%; Score 92.5; DB 4; Length 2431; 19.6%; Pred. No. 6.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                214 -----ECLKALEQV--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 19.6%; Pred. No. 6.4; Matches 74; Conservative 50; Mismatches 112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Shah, Purvi
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                             NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 828-103P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Incyte Pharmaceuticals, Inc.
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466,277
                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-688-842-2
                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION TELEPHONE: 703-241-1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 1, Application US/09055097; Patent No. 5955282
                                                                           FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                TELEFAX: 703-241-2848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312 GAGEGPGPKPLSVAGAD 328
                                                                                                                                                                                                                                                                                         TELEX: 248345
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERSTICS
LENGTH: 2431 amino d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: California
```

```
214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 13
                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                     Бb
                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                       16;
                                                                                                                                                                                                                                          395 GOPEDEAAALAEAALOGPAPRRVEALL-----ARAALLESSGRMADAGOSLEAALA 445
                                                                                                                                                                                                                                                                                                       :|| : :|| |- |::: 543 ALLETAAESATAHDAALLLIREGAGYARGAHDLDKALKLARKAHALVPAQGPELASLASLA 602
                                                                                                                                                                                                                                                                               76 AIPREMPGKGGVWKVLFKPPTSDABFLERLHLFLAREGWTVQDVARVLGFQNP--TPTPG 133
                                                                                                                                                                                                                                                                                                                                                         ----AWRGNFDPWLEHTN 185
                                                                                                                                                                                                                                                                                                                                                                                         487 AAMYAELASLYLDRLSQPVPAEAALRQALRLSPSDAAVRRRLVSLVAERGE----LREAA 542
                                                                                                                                                                                                                                                                                                                                                                                                                                  ------DVEKRRL-----MESLRGP----AADVI 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         603 YLRGAVIEALPLODALAAAADFRSAPEAAESTWLRLAELAEQTGETKRAVAAYRKLLVER 662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----KDNVNQ-----ARLEQVIAGANHS 301
                                                                                                                                                                                                            ---DYA 75
                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      215 RILKSNNPAITTAECLKALEQVFGSVESSRDAQIKFLNTYQNPGE---KLSAY-----
                                                                                                                                                                                                        25 GIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREENAKAALLELTGAV-----
                                                                                                                               ; Score 92.5; DB 4; Length 2214;
; Pred. No. 5.5;
46; Mismatches 136; Indels 119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/07920281C

Patent No. 5739026

GENERAL INFORMATION:

APPLICANT: Garoff, Henrik

APPLICANT: Liljestrom, Peter

TITLE OF INVENTION: DNA Expression Systems Based on

TITLE OF INVENTION: Apphavirues

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: Birch, Stewart, Kolasch & Birch

STREET: P.O. Box 747

CITY: Falls Church

STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: TOWN THE PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/920,281C
FILING DATE: 13-AUG-1992
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                       134 PEMPAEMLNYILDNVIQPL-VESIWYKRLTLFSGKGHPR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 828-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFRAX: 703-241-2848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ----VIRLEPLLOKVVEKGAID---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     302 GAIRRQLWLTGAGEGPGPKPL 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        720 -GVAASLLARAASLASEPLPL 739
                                                                                                                               ch 5.3%;
1 Similarity 21.0%;
80; Conservative 4
                                                         ; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-15988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                              EVLEEWQVS-----
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 15988
LENGTH: 2214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-07-920-281C-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               265
                                                                                                                               Query Match
Best Local
                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                          ठ
                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -----GDPWIKVLSNIPQGNFTATLEEWQ----EEHDKIMKVIEGPAAPVDAFQNKA 1012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1013 NVCWAKSLVPVLDTAGIRLTAEEWSTIITAFKEDRAYSPVVALNEICTKYYGVDLDSGLF 1072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .073 SAPKVSLYYENNHWDNRPGGRMYGFNAATAARLEARHTFLKGQWHTGKQAVIAERKIQPL 1132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1133 SVLDNVIPINRRLPHALVAEYKTVKGSRVEWLVNKVRGYHVLLVSEYNLALPRRRVTWLS 1192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 964
                                                                                                                                                                                                                                                                                                                                                                                       865 GKMRTINPCNKPIIIDTTG-----QTKPKPGDIVLTCFRGWAKQLQLDYRGHEVMTA 916
                                                                                                                                                                                                                                                                                                                                                                                                                                             110 -AREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKG 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --KGAIDKDNVNQARLEQVIAGANHSGAI--RRQLWLT 311
                                                                                                                                                                                                                                                                                                                                      52 GRMFWREENAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFL--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -----PGSVESSR-DAQIKFLNTYQNPGEKLSAYVIRLEPL
                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        169 HPRAWRGNFDPWLEHTNEV-----LEEWQVSDVEKRRLMESLRGPAADV---
                                                                                                                                                                                                                                                                                     Indels 141;
                                                                                                                                                                                                                 Query Match 5.3%; Score 92.5; DB 1; Length 2431; Best Local Similarity 19.6%; Pred. No. 6.4; Matches 74; Conservative 50; Mismatches 112: Tmdele 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -----IRILKSNNPAITTA-----ECLKALEQV--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: DNA Expression Systems Based on Alphaviruses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Birch, Stewart, Kolasch & Birch STREET: P.O. Box 747
CITY: Falls Church
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,277
FILING DATE: 06-Jun-1995
CLASSIFICATION: cUnknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/920,281
FILING DATE: cUnknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Murphy Jr., Gerald M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08466277
Patent No. 6190666
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Garoff, Henrik
Liljestrom, Peter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||:| |||
1193 ------PLNVTGAD 1200
                     ä
                                                                         2431 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312 GAGEGPGPKPLSVAGAD
                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: Virginia
COUNTRY: USA
                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     272 --LQKVVE--
248345
                                                                                                                                                                              US-07-920-281C-2
                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-466-277-2
```

```
295 WVRQNAKGQQKKNKARMERFEELNSRE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15988, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
                                                                                                                                                                                                                                                                                                                                                                                                           US-09-328-352-6016
; Sequence 6016, Application US/09328352
; Patent No. 6562958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Acinetobacter baumannii
US-09-328-352-6016
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Hinkle, Gregory J. APPLICANT: Slater, Steven C. APPLICANT: Wiegand, Roger C.
                                                           Best Local Similarity 27.5
Matches 41; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 11
US-09-902-540-15988
    US-09-902-540-16406
                                            Query Match
                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                              Sequence 12764, Application US/09489039A

Sequence 12764, Application US/09489039A

Sequence 12764, Application US/09489039A

Sequence 12764, Application US/09489039A

Sequence 12764

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

TITLE OF INVENTION: NUMBER: US/09/489,039A

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT PILING DATE: 1999-01-27

PRIOR FILING DATE: 1999-01-29

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

LENGTH: 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      202 LMESLRGPAADVIRILKSNNPAITTAECLKALEQ----VFGSVESSRDAQIKFLNTYQNPG 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     259 EKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANHSGA-----IRRQLWLTG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84 KGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVARVLGFQNPTPTPGPE--MPAEML 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            142 NYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPWLEHTNEVLEEWQVSDVEKRR 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Goldman, Barry S.
APPLICANT: Goldman, Barry S.
APPLICANT: Slatter, Stewen C.
APPLICANT: Slatter, Stewen C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REPRENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: 2001-07-10
PRIOR PAPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28 VNCDEAEIEETLQAAM--PQVSYRMLGRMFW--REENAKAALLELTGAVDYAAIPREMPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     73;
Query Match 5.6%; Score 97.5; DB 4; Length 26 Best Local Similarity 24.5%; Pred. No. 0.053; Matches 76; Conservative 51; Mismatches 110; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 16406, Application US/09902540; Patent No. 6833447; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Myxococcus xanthus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGEGPGPKPL 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  253 AGDGQARKML 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-902-540-16406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 16406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             313
                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
```

```
GENERAL IN: 020250

GENERAL IN: 020250

APPLICANT: Gary L. Breton et al.

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: BUJMANII FOR DIAGNOSTICS AND THERAPEUTICS

FILE OF INVENTION: BAUMANII FOR DIAGNOSTICS AND THERAPEUTICS

FILE REPERENCE: GTC99-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 6016

LENGTH: 573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     244
                                                                                                                                                                                        124 OPTPPEDL---AALWRVQRRAPCTVA-----ADESLASPDALRALLTVDPLLGGG 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      245 VAEWILE------LDRGHGIPYQGNYTSWLEQKNARLEQEQKQEESFAKALKKELE 294
                                                                                                                                                                                                                                                                                      74 YAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVARVLGFQNPTPTPG 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            148 VIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPWLEHTNEVLEEWQVSDVEKRRRLMESLR 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       208 GPAADVIRILKSNNPAITTAECLKALEQVFGSVESSRDAQIKFLNTYONPGEKLSAYVIR 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 LLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREENAKAAL-----LELTGAVD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          90 VLFKPPTS--DAEFLERLHLFLAREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNYILDN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   268 LEPLLOKVVEKGAIDKDNVNQARLEOV-----IAGANHSGAIRROLWLTG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               336 GPRLGNKVVEVENISKSFGDRLLYENLSFTVPPAAIVGIVGPNGAGKTTLFRMMTG 391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 5.4%; Score 93.5; DB 4; Length 573; Best Local Similarity 22.0%; Pred. No. 0.46; Matches 52; Conservative 25; Mismatches 98; Indels 6
5.6%; Score 96; DB 4; Length 272; 27.5%; Pred. No. 0.07; ive 21; Mismatches 63; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  134 PEMPAEMLN-YILDNVIQPLVESIWYKRL 161
```

m

```
Sequence 7109, Application US/09949016

Sequence 7109, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, U. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016

PRIOR PELING DATE: 2000-10-20
PRIOR PELING DATE: 2000-10-20
PRIOR PLING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FRESESE for Windows Version 4.0

SEQ ID NO 7309
TUNDER OF DATE: 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1005 WNRIVELVEORKEEMSAVILVENHVIEVAEVRAQVREKRRAV--ESAPRAGGALQWRLSG 1062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :||| | : || : ||22
.063 LEAALQALEPRQAALLEEAALLAERFPAQAARLHQGAEELGAEWGALASAAQACGEAVAA 1122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1123 AGRLORFLHDLDAFL---DWLVRAQEAAGGSEGFLPNSLEEADALLARHAALKEEVDQRE 1179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              --GGVWKVLFKPPTSDAE---- 100
                                                                                                                                                                                           154 ESIWYKRL----TLFSGKGHPRAWRGNFDPWLEHT----NEVLEEWQVSDVEKRRLME 204
                                                                                                                                                                                                                                                                                                        842 ED--YARIVAASEALLAADGAELGPGLALDEWLPHLELGWHKLLGLWKA----RRKALVQ 895
                                                                                                                                                                                                                                                                                                                                                             205 S-----LRGPAADVIRILKSNNPAITTAECLKALEQVFGSVESSRDAQIKFLNTYQNPG 258
     667 WNRIVELVEQRKEEMSAVLLVENHVLEVAEVRAQVREKRRAV--ESAPRAGGALQWRLSG 724
                                                                                                                                                    -----FLERLHLFLAREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNY-ILDNVIQPLV 153
                                                                                                       725 LEAALQALEPRQAALLEEAALLAERFPAQAAXLHQGAEELGAEWGALASAAQACGEAVAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9 WCRGMDVNSQR-----TLLVWGIPVNCDE--AEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 AKAALLEL----TGAVDYAAIPRE-MPGK-------GGVWKVLFKPPTSDAE----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -----FLERLHLFLAREGWTVQDVARVLGFQNPTPTPGPEMPAEMLNY-ILDNVIQPLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                154 ESIWYKRL----TLFSGKGHPRAWRGNFDPWLEHT----NEVLEEWQVSDVEKRRLME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S-----LRGPAADVIRILKSNNPAITTAECLKALEQVFGSVESSRDAQIKFLNTYQNPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5.8%; Score 99.5; DB 4; Length 2600; 22.6%; Pred. No. 1.2; tive 50; Mismatches 140; Indels 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 259 EKLSAYVIRLEPLL------QKVVEKGAIDKDNVNQARLEQ 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              259 EKLSAYVIRLEPLL-----QKVVEKGAIDKDNVNQARLEQ 293
                                                    61 AKAALLEL----TGAVDYAAIPRE-MPGK-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 22.69
nes 78; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-949-016-7309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-949-016-7309
                                                                                                                                                         101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                               ઠે
                                                                                            g
                                                                                                                                                      δ
                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -----PTLEKDEREEFIKRENE 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36 LMD--QISEKETELTUREKLLESLREEMGYYKEQEQSVTKENQQMTSELSELRLQLQKV- 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -SYESKENAIT--VDSLKEANQDLMAELEELKKNLSEMRQAHKDATDSDKEKRKAEKMAQ 549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||:||::||::||:||
297 NSRTTLIINCSPSSYNBAETLSTLRFGARAKSIKNKAKV-----NADLSPAELKALLKKV 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69 -TGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREG-WTVQDVARVLGFQ 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ------BGKWVTMDKVSKGDFA 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               127 NPTPTPGPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPWLEHTNE 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VLEEWQVSDVE----KRRILMESLR---GPAADVIRILKSNNPAITT--AECLKALEQVF 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKV--VEKGAIDKDNVNQ--ARLEQ 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16 NSORTLLVWGIPVNCDEAEIBETLQAAMPQVSYRMLGRMFWREENAKAALLEL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3; Length 2293;
                                                                                                                                                                                                                                                                                                                                                                                                                                       6.0%; Score 103; DB 4; Length 935; 21.7%; Pred. No. 0.091; ive 56; Mismatches 121; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 2, Application US/09368590; Patent No. 6187563; GENERAL INFORMATION: GENERAL INFORMATION: ACCOUNTY APPLICANT: Solimena, Michele; TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR TITLE OF INVENTION: AUTOANTICENS OF AUTOIMMUNE DISEASE; FILE REFERENCE: 101918-200 (CCR-941); CURRENT APPLICATION NUMBER: US/09/368,590; CURRENT FILING DATE: 1999-08-04; EARLIER APPLICATION NUMBER: 60/095,657; EARLIER FILING DATE: 1998-08-07; NUMBER OF SEQ ID NOS: 8; SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                               APPLICANT: Hyman, Paul
APPLICANT: Williams, Mark
TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
FILE REFERENCE: 8471-010-999;
CURRENT APPLICATION NUMBER: US/09/914,259
CURRENT APPLICATION NUMBER: US/09/914,259
CURRENT PILING DATE: 2000-11-21
NUMBER OF SEQ ID NOS: 180
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 25
LENGTH: 935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5.8%; Score 100.5; DB 3;
larity 22.6%; Pred. No. 0.76;
Conservative 51; Mismatches 139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       396 GLPPAPGFKSP-----VSDEGSRPATPV----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                352 KSEÁVTÝOTYIAALEGEVNVWRTGGTVP
                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Syncephalastrum racemosum US-09-914-259-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          294 VIAGANHSGAI --- RRQL 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :::| : || : ||:
MMSGFDPSGILNDKERQI 567
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 21.7'
Matches 69; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 78; Conserv
Patent No. 6495336
GENERAL INFORMATION:
APPLICANT: Makowski,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 6
US-09-368-590-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-368-590-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
```

g

g

ò

qq

ò

g

ठे

ઠે

ద

ò g

```
Matches
                                                          g
                                                                                          ò
                                                                                                                       8
                                                                                                                                                      δ
                                                                                                                                                                                    셤
                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 DINCSAPRVIISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAFDAWLEH 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                     LELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVARVLGF 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                126 ONPTPTPGPEMPAEMLNY--ILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNFDPWLEH 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TNEVLEEWQVSDVEKRRILMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSVESS 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANHSGA 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPWCRGEHLNTRRCMLIIGIPEDCGEDEFEETLQEACRHIGRYRVIGRMFRREENAQAIL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 EDWCRGMDVNSQRTLLVWGIPVNCDEAEIEFTLQAAMPQVS-YRMLGRMFWREENAKAAL
                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                           .,
G
                                                                                                                                                                                                                                                                                                                              Length 462;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 441; DB 3; Length 195;
Pred. No. 3e-40;
                                                                                                                                                                                                                                                                                                                           43.2%; Score 747.5; DB 3; Length
49.8%; Pred. No. 1.7e-73;
tive 49; Mismatches 102; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Josep O. Dalmau
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REPERENCE: SLA98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
                         Sequence 13, Application US/09189527A

Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/09189527A Patent No. 6387639 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25.5%;
                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 49.8<sup>†</sup>
Matches 153; Conservative
                                                                                                                                                                                                                                                                            ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IRRQLWL 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        :| :| |
LRDKLKL 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 2
US-09-189-527-13
                                                                                                                                                                                                                                                                                               US-09-189-527-13
                                                                                                                                                                                                                               SEQ ID NO 13
LENGTH: 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-09-189-527-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-189-527-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     304
                                                                                                                                                                                                                                                                                                                                                                                                                                                    99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301
                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ద
                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

```
US-09-902-540-16701

j Sequence 16701, Application US/09902540

j Sequence 16701, Application US/09902540

j Patent No. 683347

j GENERAL INFORMATION:
    APPLICANT: Goldman, Barry S.
    APPLICANT: Hinkle, Gregory J.
    APPLICANT: Slater, Steven C.
    APPLICANT: Wegend, Roger C.
    TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B
    CURRENT FAPLICATION WUMBER: US/09/902,540
    CURRENT FILING DATE: 2001-07-10
    PRIOR FILING DATE: 2000-07-10
    PRIOR FILING DATE: 2000-07-10
    NUMBER OF SEQ ID NOS: 16825
    SEQ ID NO 16701
    LENGTH: 551
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            175
                                                                                                                                                                                                                                                                       113 ----GW----TVQ------DVARVLG---------FQNP----TPTPGPE 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         176 NFDPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     291 LINQTQDKRDATGEVIIP---PGPQLGGLVVEAKGLRKAYGDRLLIEDLNFKLPRGGIVG 347
                                                                                                                                           62 KAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVAR 121
                                                                                                                                                                                                                                        122 VLGFQ--NPTPTP--GPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       236 VFGSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQV- 294
                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 MTLLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVS-YRMLGRMFWREENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            136 MPAEML-------NYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLARE-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
6; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels 99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 551;
Indels
61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 6.4%; Score 110.5; DB 4; Best Local Similarity 21.5%; Pred. No. 0.0056; Matches 71; Conservative 47; Mismatches 113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     348 VIGPNGAGKTTLFRMMTGV-EKPDEGELNI 376
37; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    295 IAGANHSGAIRRQLWLTGAGEGPGPKPLSV 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
US-09-914-259-25
; Sequence 25, Application US/09914259
                                                                                                                                                                                                                                                                                                                                      178 DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                                                                    : ||| |:::||
181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Myxococcus xanthus US-09-902-540-16701
90; Conservative
```

```
August 26, 2005, 16:35:24; Search time 24.8083 Seconds (without alignments) 989.972 Million cell updates/sec
                                                                                                                                                                                                                1 MAMTLLEDWCRGMDVNSQRT.....LTGAGEGPGPKPLSVAGADP 329
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                           513545 seqs, 74649064 residues
                                                                     model
                                                                                                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                     using sw
                                                                                                                                                                           US-10-037-860-4
1729
                                                                     protein search,
                                                                                                                                                                                                   score:
                                                                                                                                                                                                                                                      Scoring table:
                                                                         protein
                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                                                                               Title:
Perfect
                                                                                                         Run on:
```

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Issued Patents AA:\*

'GGTZ 6/ptodata1/liaa/5A\_COMB.pep:\*
'CGTZ 6/ptodata1/liaa/6B\_COMB.pep:\*
'CGTZ 6/ptodata1/liaa/6A\_COMB.pep:\*
'CGTZ 6/ptodata1/liaa/6B\_COMB.pep:\*
'CGTZ 6/ptodata1/liaa/6B\_COMB.pep:\*
'CGTZ 6/ptodata1/liaa/PCTUS COMB.pep:\*
'CGTZ 6/ptodata1/liaa/PCTUS COMB.pep:\* Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 4, Appli	٠.	•	16.	•••	2, App	73	12764,	16406,	Sequence 6016, Ap	15988,	Sequence 2, Appli	α,	ď	ı,	H	13,	115	Sequence 5919, Ap	32748,	12446,	1155	22086,	14.	'n	53	Н
SUMMARIES	ID	US-09-189-527-4	-18	09-18	-902-540-1	09-91	US-09-368-590-2	US-09-949-016-7309	-489-0	-540-164	-352-601	-902-5	US-07-920-281C-2	-466-2	US-09-688-842-2		-373-9	-831-	ன்	US-09-543-681A-5919	US-09-252-991A-32748	9-489-039A-1244		US-09-252-991A-22086	-902-540-1	US-09-424-783-3	US-09-438-185A-23	US-09-212-971-12
	DB		m	٣	4	4	ო	4	4	4	4	4	н	e	4	N	4	4	4	4	4	4	4	4	4	4	4	n
	Query Match Length	329	462	195	551	935	2293	2600	288	272	573	2214	2431	2431	2431	378	378	378	393	565	689	880	178	389	499	4872	588	009
dŧ	Query Match	100.0	43.2	25.5	6.4	٠	5.8	5.8		5.6	5.4	5.3	5.3	5.3	5.3					5.3						5.1	5.1	5.0
	Score	1729	747.5	441	110.5	103	100.5	99.5	97.5	96	93.5	92.5	92.5	~	92.5	91.5	91.5	91.5	91.5	91	90	89.5	89	8	88.5	æ	7	87
	Result No.		7	m	4	ഗ	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

Sequence 12, Appl Sequence 12, Appl	Sequence 4501, Ap	Sequence 7009, Ap	Sequence 308, App	Sequence 4673, Ap	Sequence 9, Appli	Sequence 9, Appli	Sequence 25844, A	Sequence 2, Appli	Sequence 2, Appli	Sequence 6564, Ap	Sequence 3979, Ap	Seguence 24064, A	Sequence 6055, Ap	Sequence 19, Appl	Sequence 3, Appli	Sequence 4, Appli
US-08-800-929A-12	US-09-543-681A-4501	US-09-328-352-7009	US-09-492-709A-308	US-09-134-000C-4673	US-08-985-335-9	US-09-410-372-9	US-09-252-991A-25844	US-08-999-774A-2	US-09-424-783-2	US-09-328-352-6564	US-09-134-001C-3979	US-09-252-991A-24064	US-09-543-681A-6055	US-08-314-309A-19	US-08-557-210A-3	US-08-557-210A-4
m r	4	4	4	4	٣	٣	4	က	4	4	ო	4	4	Н	m	m
600	1300	373	555	854	469	469	1209	1105	4866	406	871	332	431	341	524	539
0.0	20.	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8
87	87	86.5	98	98	82	85	85	84.5	84.5	84	84	83.5	83.5	83	83	83
28	308	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

υĵ
Ę
z
Ю
Σ
GNME
ㅂ
¥

```
180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 ESSEDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
241 ESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 AKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MAMTILEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEBTLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 LEHTNEVLEEWQVSDVEKRRRIMESLRGPAADVIRILKSNNPAITTAECLKALEQVFGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MAMTILLEDWCRGMDVNSQRTLLVWGIPVNCDEAEIEETLQAAMPQVSYRMLGRMFWREEN
                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                     Length 329;
                   Sequence 4 Application US/09189527A

Sequence 4 Application US/09189527A

Patent No. 6387639

GENERAL INFORMATION:
APPLICANT: Jerome B. Posner

APPLICANT: Jerome B. Posner

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

TITLE OF INVENTION: Anti-Ma Family Folypeptides and Anti-Ma

CURRENT APPLICATION NUMBER: US/09/189,527A

CURRENT FILING DATE: 199811-10

NUMBER OF SEQ ID NOS: 14
                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 1729; DB 3;
Best Local Similarity 100.0%; Pred. No. 3.1e-182;
Matches 329; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301 SGAIRRQLWLTGAGEGPGPKPLSVAGADP 329
                                                                                                                                                                                                                       iEQ ID NOS: 14
FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                  SOFTWARE: Far
SEQ ID NO 4
LENGTH: 329
RESULT 1
US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

ö

```
--SAAPQ----RRARALKVYKNPNNGEVVETKGGNHKVLKAWKE 123
                                                                                                                                            132 TVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVF----SGSAVPAP--EEESFEVWLE 185
                                           72 TDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEALSPA 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        57 KQENANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26
---RKLQEQLALLEKLKSD 46
                                                                                           ------KÓELÉFKDKLQALMDKYGMÍLHNIIAILDPKA--PV 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 LALLEDWCRIMSVDE-----QKSLMVTGIPADFEBABIQEVLQETLKSLGRYRLLGKIFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.1%; Score 80.5; DB 2; 22.0%; Pred. No. 2.5; ative 26; Mismatches 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Force, Thomas
APPLICANT: Kyriakis, John M.
APPLICANT: Kyriakis, John M.
APPLICANT: Bombo, Celia M.
TITLE OF INVENTION: SOK-1 AND METHODS OF USE
NUMBER OF SEQUENCES: 10
CANESCONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OFERATING SYSTEM: Windows95
SOFTWARE: Fast-SEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/852,743
FILING DATE: 7-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   00786/327001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 7-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/016,774
FILING DATE: 7-MAY-1996
ATTORNEY/AGENT INFORMATION:
9 QHHIFRTGVKRMSKLAEFREAE--
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/08852743
Patent No. 5830699
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 200154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible OPERATING SYSTEM: Window
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              270 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   124 DIKAGNILL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 22.0%
Matches 44; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Diskette
                                                                                                                                                                                                                                                                                         124 OYGSETVESW 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
                                                                                                                                                                                                                                           186 Q-ATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IXPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: US
ZIP: 02110-2804
                                                                                                                                                                                          84 TV-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                            US-08-852-743-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-852-743-5
                                                                                      g
                                                                                                                                         ò
                                                                                                                                                                                     g
                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 31474, Application US/09252991A

Sequence 31474, Application US/09252991A

Patent No. 6551995

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US 60/074,788

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-07-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 31474

LENTTH: 134
                                                                               Sequence 9777, Application US/09902540

Fatent No. 683347

GRNEALINEORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hiegand, Roger C.
APPLICANT: Wiegand, Roger C.
APPLICANT: WINGER: 18-10(15449)B
CURRENT APPLICATION NUMBER: 60/217,883
FRIOR FILING DATE: 2000-07-10
FRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 9777
LENGTH: 1442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 671 LALRKRFCRSFDFELQAAATEDGILLSLGEQHSFPLAEIFDFLHPDHVEEVLVQAVLQAP 730
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                85 GGVWKVIFKTPNQD--TEFLERLNLFLEKEGQTVSGMFRAL-----GQEALSPATVPCIS 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 LALLEDWCR------IMSVDEQKSLMVTGI-----PADFEEAEIQEVLQET 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    42 L-----KSLGRYRLIG--KIFRKQENANAVLLELLEDTDVSAIPSEV----QGK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 OKSLMVTGIP----ADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENANAVLLELLED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   138 PELLAHLIGQAMAHAPQPL----LPMRYRKIR-VFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 8.1%; Score 80.5; DB 4; Length 136; Best Local Similarity 21.6%; Pred. No. 0.92; Matches 41; Conservative 24; Mismatches 48; Indels 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Score 81; DB 4; Length 1442;
; Pred. No. 26;
32; Mismatches 69; Indels '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 24.5%;
Matches 56; Conservative 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
CRGANISM: Myxococcus xanthus
US-09-902-540-9777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
US-09-252-991A-31474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-252-991A-31474
```

셤

유

ò

8

원

δ

Ġ

```
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                160 IGTPFWMAPEVIQEIGYNCVADIWSLGITAIEWAEGKRPYADIHPMR----AIFMIPTNP 215
                            160 IGTPFWMAPEVIQEIGYNCVADIWSLGITAIEMAEGKRPYADIHPMR----AIFMIPTNP 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        57 KOENANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          117 SGMFRALGQEALSPATVPCISPELLAHLLGQAMAHAPQP---LLPMRYRKLRVFSGSAVP 173
117 SGMFRALGQEALSPATVPCISPELLAHLLGQAMAHAPQP----LLPMRYRKLRVFSGSAVP 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 LALLEDWCRIMSVDE----QKSLMVTGIPADFEBAEIQEVLQETLKSLGRYRLLGKIFR 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85; Indels 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 8.1%; Score 80.5; DB 3; Length 270; Best Local Similarity 22.0%; Pred. No. 2.5; Matches 44; Conservative 26; Mismatches 85; Indels 49
                                                                                                                                                                                                                          Sequence 5, Application US/09185370
; Patent No. 6093560
; GENERAL INFORMATION:
APPLICANT: Force, Thomas
APPLICANT: Force, Thomas
APPLICANT: Pombo, Celia M.
APPLICANT: Bonventre, Joseph
TITLE OF INVENTON: SOK-1 AND METHODS OF USE
NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTY: US
ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: MINDOWS)
SOFTWARE: PASESO for Windows Version 2.0 CURRENT APPLICATION NUMBER: US/09/185,370
FILING DATE: CLASSIFICATION DATA: APPLICATION NUMBER: US/09/185,370
FILING DATE: CLASSIFICATION DATA: APPLICATION NUMBER: 08/852,743
FILING DATE: ATTORNEY/AGENT INFORMATION:
NAME: FEASE TO JOIN R. REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00786/327001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-8906
                                                                                 174 APEEESFEVWLEQATEIVKE 193
                                                                                                            216 PPTFRKPELWSDNFTDFVKQ 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 174 APEESFEVWLEQATEIVKE 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-185-370-5
                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                 셤
                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
ò
```

```
Db 216 PPTFRKPELWSDNFTDFVKQ 235
Search completed: August 26, 2005, 16:50:23
Job time : 15.704 secs
```

Sequence 74, 1 Sequence 39, 1 Sequence 1, Api

Sequence 16, Appli Sequence 17, Appli Sequence 17, Appli Sequence 2385, Ap Sequence 33747, Ap Sequence 34145, Ap Sequence 3655, App Sequence 385, App Sequence 255, App Sequence 26, Appl Sequence 26, Appl Sequence 213, App Sequence 211, Appl Sequence 211, Appl Sequence 211, Appl Sequence 214, App Sequence 2568, Ap Sequence 2568, Ap Sequence 2568, Ap Sequence 1991, Appl Sequence 1991, Appl Sequence 1791, Appl Sequence 7202, Appl Sequence 7203, Appl Sequence 7203, Appl Sequence 7203, Appl

0 US-09-804-014A-74 0 US-09-864-014A-39 US-09-965-529-1 0 US-09-965-529-1 0 US-09-969-60A-1 0 US-09-969-60A-1 0 US-10-034-434-10 0 US-10-034-434-10 0 US-10-034-749-1978 0 US-10-034-749-1978 0 US-10-034-749-1978 1 US-10-29-186-314-7 0 US-09-864-761-34645 0 US-10-039-864-761-369-2 5 US-10-296-115-1208 1 US-10-296-115-1208 1 US-10-296-115-1208 1 US-10-296-115-1208 1 US-10-296-115-1208 2 US-10-296-115-1208 3 US-10-087-192-213 0 US-10-296-299-26 6 US-10-296-299-26 6 US-10-296-299-26 6 US-10-295-299-26 6 US-10-295-299-26 6 US-10-295-299-26 6 US-10-295-299-26 6 US-10-295-493-4443 1 US-10-369-493-17903 1 US-09-213-678-2 1 US-10-369-493-17903 1 US-10-369-493-17903

87.5 87.5

87.5

403 342 255 255 255 3883 1083 1084 1088 407 407 520 520 520 520 538

87.5 87.5 86 86 86 86

Sequence 17, Appli Sequence 2, Appli

US-10-090-458-2

ALIGNMENTS

```
August 26, 2005, 16:45:49; Search time 51.8076 Seconds (without alignments) 1478.945 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-037-860-7
996
1 PLALLEDWCRIMSVDEQKSL......EEESFEVWLEQATEIVKEWP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/PCT_PBW_PUB_PSP:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_PBW_PUB_PSP:*
3: /cgn2_6/ptodata/1/pubpaa/USO6_NBW_PUB_PSP:*
4: /cgn2_6/ptodata/1/pubpaa/USO6_NBW_PUB_PSP:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NBW_PUB_PSP:*
6: /cgn2_6/ptodata/1/pubpaa/USO8_NBW_PUB_PSP:*
7: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB_PSP:*
8: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB_PSP:*
9: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB_PSP:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
14: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
15: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
17: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
18: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
19: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
12: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
14: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
15: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
17: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
18: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
19: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
12: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
14: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
15: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB_PSP:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1767149 seqs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jatabase
                                                                                                                                                                                                                                                                         Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ģ
```

```
61 ANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 ANAVLLEILEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKGGTVSGMF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                  Sequence 7, Application US/10037860
Publication No. US20020123114A1
GENERAL INFORMATION:
APPLICANT: Jorone B. Posner
APPLICANT: Josep O. Dalmau
APPLICANT: Mosep O. Dalmau
TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
TITLE OF INVENTION: ANTIBODIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 996; DB 13;
100.0%; Pred. No. 5.2e-92;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 2581.1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: 09/189,527
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 195; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 195
US-10-037-860-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-037-860-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Appliance 42, Appliance 42, Appliance 7, Appliance 7, Appliance 7, Appliance 17, Appliance 13, Appliance 13, Appliance 13, Appliance 14, Appliance 14, Appliance 15, Appliance 16, Applian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7, Appl
```

ö

9 9 120

Sequence

US-09-969-680A-7 US-11-048-692-7 US-10-037-860-13 US-10-037-860-4 US-09-804-014A-40 US-09-804-014A-40

195 364 120 2283 353 353 353 318 318

982 604 593 466 466 465 460 441 440 440

US-10-037-860-7 US-10-504-329-3 US-09-804-014A-42 US-10-037-860-11 US-09-965-529-7

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-037-860-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 11
LENGTH: 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Б
                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGGTVSGMFR 122
RALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                   Sequence 3, Application US/10504329
Publication No. US20050106569A1
Publication No. US20050106569A1
Publication No. US20050106569A1
APPLICANT: Evotec NeuroSciences GmbH
APPLICANT: Evotec NeuroSciences GmbH
TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeuronal
TITLE OF INVENTION: antigens for neurodegenerative diseases
FILE REFERENCE: 030475W ME/BM
CURRENT APPLICATION NUMBER: US/10/504,329
CURRENT FILING DATE: 2004-08-25
NUMBER OF SEQ ID NOS: 15
SOFURD NOS: 15
SSOFURD NOS: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                              98.6%; Score 982; DB 17; Length 364; 99.0%; Pred. No. 3.3e-90; ive 1; Mismatches 1; Indels (
                                                                               181 EVWLEÇATEIVKEWP 195
                                                        181 EVWLEQATEIVKEWP 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     182 VWLEQATEIVKEWP 195
                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 99.0 Matches 192; Conservative
                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-804-014A-42
                                                                                                                                                                                                                                                                                                                                      LENGTH: 364
                                                                                                                               RESULT 2
US-10-504-329-3
                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: HC
US-10-504-329-3
121
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                       d
                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMPR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                81 VQGKGGVWKVIFKTPNQDTEFLERINLFLEKEGQTVSGMFRALGQEALSPATVPCISPEL 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62 NAVILELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 LALLEDWCRIMSVDEQKSLMVTGIPADFEEARIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 VQGKGGVWKVIFKTPNQDTEFLERINLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 LALLEDWCRIMSVDEQKSLMVTGIPADFEBAEIQEVLOETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                141 LAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWP 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 59.5%; Score 593; DB 13; Length 283; Best Local Similarity 98.3%; Pred. No. 4.1e-51; Matches 113; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Length 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 11, Application US/10037860

Sequence 11, Application US/10037860

Publication No. US20020123114A1

GENERAL INFORMATION:

APPLICANT: Jorome B. Posner

APPLICANT: Josep O. Dalmau

APPLICANT: Josep O. Dalmau

TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

TITLE OF INVENTION: ANTIBODIES

FILE REFERENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

CURRENT PILING DATE: 2001-01-04

PRIOR FILING DATE: 1998-11-10

NUMBER FILING DATE: 1998-11-10

SOFTWARE: FREKSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                        Query Match 60.6%; Score 604; DB 10;
Best Local Similarity 100.0%; Pred. No. 9.4e-53;
Matches 120; Conservative 0; Mismatches 0;
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PATENTIN Ver. 2.1
; SEQ ID NO 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 7, Application US/09965529; Publication No. US20020182671A1; GENERAL INFORMATION: APPLICANT: LAL, Preeti APPLICANT: YUE, Henry APPLICANT: TANG, Y. Tom APPLICANT: BANDMAN, Olga; APPLICANT: BURFORD, Neil APPLICANT: AZIMZAI, Yalda
```

```
181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                      : ||| |:::||
178 DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    178 DPWLEHTNEVLEEW 191
                                                                                                                        93; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                           Matches
                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        임
                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          122 VLGFQ--NPTPTP--GPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGRDIPGPGEGFF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 MTLLEDWCRGMDVNSQRALLVWGIPVNCDEABIEETLQAAMPQVS-YRMLGRMFWREENA 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 LALLEDWCRIMSVDEOKSLMVTGIPADFBEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
**APPLICANT: BAUGHN, Mariah R.

**APPLICANT: LU, Dyving Aina M.

**APPLICANT: DV. Dyving Aina M.

**TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS

**FILE REFERENCE: PF-0731 USA

**CURRENT FILING DATE: 1090-08

**PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315

**PRIOR PILING DATE: 1999-08-17; 1999-11-09; 2000-08-14

**NUMBER OF SEQ ID NOS: 74

**SEQ ID NO 7

**SEQ ID NO 7

**LENGTH: 353

**TYPE: pp.**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                46.8%; Score 466; DB 9; Length 353; 47.9%; Pred. No. 3.7e-38; Live 38; Mismatches 57; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEX: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDWAN, Olga
APPLICANT: BURFORD, Neil; AZIMZH, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: BAUTERSON, Chandra
TITLE OF INVENTION: MEMBRARE ASSOCIATED PROTEINS
FILE REPERENCE: PP-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680A
CURRENT FILING DATE: 2000-08-14
PRIOR PLLING DATE: 2000-08-14
PRIOR PLLING DATE: 1999-08-17
PRIOR PLLING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGram
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      46.8%; Score 466;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 7, Application US/09969680A; Publication No. US20030124649A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 353
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 6
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
```

DB 10;

Query Match

```
4
                                                                                                                                                                             62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                          62 KAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVAR 121
                                                                                                                                                                                                                                                                             122 ALGOBALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                             122 VLGFQ--NPTPTP--GPEMPAEMLNYILDNVIQPLVESIWYKRLTLFSGRDIPGPGESTF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61
                                                                                                     2 LALLEDWCRIMSVDEQKSLMVTGIPADFEBAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 MTLLEDWCRGMDVNSQRALLVWGIPVNCDEAEIEETLQAAMPQVS-YRMLGRMFWREENA
                                                                          2 LALLEDWCRIMSVDEQXSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                          Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                          .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
47.9%; Pred. No. 3.7e-38;
tive 38; Mismatches 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ch 46.8%; Score 466; DB 20;
1. Similarity 47.9%; Pred. No. 3.7e-38;
93; Conservative 38; Mismatches 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: TANG, Y. TOM; BANDMAN, Olga
APPLICANT: TANG, Y. TOM; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PP-0731-1 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/11/048,692
CURRENT FILING DATE: 2005-02-02
PRIOR PILING DATE: 2005-02-02
PRIOR FILING DATE: 2000-02
PRIOR FILING DATE: 2000-08-14
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 7, Application US/11048692
Publication No. US20050123990A1
GENERAL INFORMATION:
```

```
RESULT 10
US-09-804-014A-40
; Sequence 40, Application US/09804014A
; Publication No. US20030064489A1
; GRNERAL INFORMATION:
; APPLICANT: Li, Li
                                                                                                                                                                                                                             181 EVWLEOATEIVKEW 194
                                                                                                                                                                                                                                                    : ||| |:::||
178 DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 46.4%
Matches 90; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-804-014A-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                    셤
                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                             ò
                                                                                                                                                                                                                             8
                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 ANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62 AQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGBFLNRLNRFLEEERRRTVSDMN 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEES 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 PLTLLQDWCRGEHLNTRRCWLILGIPEDCGEDEFEBTLQEACRHLGRYRVIGRMFRREEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ب
.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   65; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4 Application US/10037860; Publication No. US20020123114A1
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Jerome B. Posner
APPLICANT: Jerome B. Posner
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 2581.1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT APPLICATION NUMBER: 09/189,527
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARRE: FastSEQ for Windows Version 4.0
                                                                                                                  APPLICANT: Jerome B. Posner
APPLICANT: Jerome B. Posner
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfield
TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 2581.1004-004
CURRENT APPLICATION NUMBER: US/10/037,860
CURRENT FILING DATE: 2001-01-04
PRIOR FILING DATE: 1990-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    44.3%; Score 441; DB 13;
46.4%; Pred. No. 1.1e-35;
tive 37; Mismatches 61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46.4%; Score 462.5; DB 1
llarity 47.7%; Pred. No. 1.2e-37;
Conservative 34; Mismatches 65
                                           US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180 FEVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |: ||| ||::|
180 FDAWLEHTTEMLQMW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           90; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
nes 93; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 9
US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 329
                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
```

Matches

ò g

유

Dp ð

ò

```
APPLICANT: L1, L1, L2, L3, APPLICANT: L2, L1, L3, APPLICANT: Padigaru, Muralidhara, APPLICANT: Padigaru, Muralidhara, APPLICANT: Padigaru, Corine, APPLICANT: Pernandes, Elma APPLICANT: Shimkers, Richard APPLICANT: Shimkers, Richard APPLICANT: Shimkers, Richard APPLICANT: Spaderna, Steven APPLICANT: Spaderna, Steven APPLICANT: Majunder: Kundud C, TILLE REPERBNCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2000-03-10
PRIOR PLICATION NUMBER: 60/189,316
PRIOR PLICATION NUMBER: 60/189,139
PRIOR PLILNG DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR PLILNG DATE: 2000-03-14
PRIOR PLILNG DATE: 2000-03-14
PRIOR PLILNG DATE: 2000-03-14
PRIOR PLILNG DATE: 2000-03-14
PRIOR PLILNG DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR PLILNG DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR PLILNG DATE: 2000-03-17
PRIOR PLILNG DATE: 2000-03-17
PRIOR PRICATION NUMBER: 60/190,231
PRIOR PLILNG DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                  122 ALGQEALSPATVPCISPELLAHLIGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                         62 KAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVAR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       122 ALGOEALSPATVPCISPELLAHILGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESF 180
62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEARIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the OTHER INFORMATION: specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     44.2%; Score 440; DB 10; Length 318; 46.4%; Pred. No. 1.3e-35; Live 36; Mismatches 62; Indels
```

Matches

```
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same FILE REFERENCE: 15966-721 US
                                                              CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT PILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: G0/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
PRIOR PILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
SEQUID NOS: 75
SEQUID NOS: 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-804-014A-39; Sequence 39, Application US/09804014A; Publication No. US20030064489A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/190,401
FILING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/190,231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 182 GRWMFHTTQMIKAW 195
       Majumder, Kumud
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR
PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                   APPLICANT: L1, L1, L1
APPLICANT: D4, L1
APPLICANT: Vernet, Corine
APPLICANT: Vernet, Corine
APPLICANT: Shamaa
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Majunder, Knichard
APPLICANT: Majunder, Knuch
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT PAPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-14
PRIOR FILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
PRIOR PILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SSOFTWARE: PatentIn Ver: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          122 ALGORALSPATVPCISPELLAHLIGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 LALLEDWCRGMDWNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLLGRMFRRDENR 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 LALLEDWCRIMSVDEQKSLMVTGIPADFEBABIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  43.8%; Score 436; DB 10; Length 312; 46.9%; Pred. No. 3.3e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 74, Application US/09804014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Shamkets, Richard
APPLICANT: Spaderna, Steven
                                                                                                                                                                   ; Sequence 73, Application US/09804014A; Publication No. US20030064489A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     182 GRWMFHTTQMIKAW 195
  181 EVWLEQATEIVKEW 194
                              : ||| |:::||
178 DPWLEHTNEVLEEW 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181 EVWLEQATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 46.99
Matches 91; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-09-804-014A-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-804-014A-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     D ID NO 73
LENGTH: 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
ò
                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

셤 ò ઠે

ò

```
122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                  62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Fernandes, Elma
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Even
APPLICANT: Majunder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2000-03-10
PRIOR PLILNG DATE: 2000-03-10
PRIOR PLILNG DATE: 2000-03-10
PRIOR PLILNG DATE: 2000-03-14
                                                                                                                                                                                 2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                       Gaps
                                                                       5
          Length 312;
Query Match
43.8%; Score 436; DB 10; Length 3:
Best Local Similarity 46.9%; Pred. No. 3.3e-35;
Matches 91; Conservative 30; Mismatches 71; Indels
```

us-10-037-860-7.rapb

```
122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: August 26, 2005, 17:21:26 Job time : 52.8076 secs
                                                                                                                                                                                                                           Sequence 16, Application US/09804014A Publication No. US20030064489A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 EVWLEOATEIVKEW 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |: |::| |
182 GRWMFHTTQMIKAW 195
                                                                                 181 EVWLEQATEIVKEW 194
                                                                                                                        182 GRWMFHTTOMIKAW 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                                                                                                                                            JS-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-804-014A-16
                                  g
                                                                                 ò
                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63 KVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGMTVGELSR 122
                                                                                                                                                                                                                                                                                                                                                        62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                          ALGOBALSPATVPCISPELLAHLLGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                  | {|||||| | :: :|:|:: ||
3 LRLLEDWCRGMDMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLLGRMFRRDENR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEARIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                        2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BURFORD, Neil
APPLICANT: BURFORD, Neil
APPLICANT: BURFORD, Neil
APPLICANT: BURFORD, Neil
APPLICANT: BUGGHN, Mariah R.
APPLICANT: IU, Dyung Aina M.
APPLICANT: DY DYUNG AINA M.
TITLE OF INVERTION: BURBRANE US/09/965,529
CURRENT PELING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7
                                                                                                                                                                                    43.8%; Score 436; DB 10; Length 321;
46.9%; Pred. No. 3.4e-35;
tive 30; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
43.8%; Score 436; DB 9; Length 351;
Best Local Similarity 46.9%; Pred. No. 3.9e-35;
Matches 91; Conservative 30; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/09965529
Publication No. US20020182671A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: BANDMAN, Olga
APPLICANT: BURFORD, Neil
APPLICANT: BAUGHN, Mariah R.
APPLICANT: LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |: |:::| |
|GRWMFHTTQMIKAW 195
  PRIOR FILING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181 EVWLEQATEIVKEW 194
                   NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 39
LENGTH: 321
                                                                                                                                                                                    Query Match
Best Local Similarity 46.9
Matches 91; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 351
                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                              US-09-804-014A-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-965-529-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
```

```
7
                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Li, Li,
APPLICANT: Padigaru, Muralidhara
APPLICANT: Padigaru, Muralidhara
APPLICANT: Padigaru, Muralidhara
APPLICANT: Padigaru, Muralidhara
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Majumder, Kumd
APPLICANT: Majumder, Kumd
FILE RFERENGE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT APPLICATION NUMBER: 60/188,316
PRIOR PILING DATE: 2000-03-10
PRIOR PELING DATE: 2000-03-10
PRIOR PPLICATION NUMBER: 60/189,139
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR PPLICATION NUMBER: 60/199,401
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR PILING DATE: 2000-03-17
PRIOR PELING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62 NAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   122 ALGOEALSPATVPCISPELLAHLLGQAMAHAPOPLLP-MRYRKLRVFSGSAVPAPEEESF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62
123 ALGHENGSLDPEQGMIPEMWAPMLAQAL-EALQPALQCLKYKKLRVFSGRESPEPGEEFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 LALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
43.8%; Score 436; DB 10;
Best Local Similarity 46.9%; Pred. No. 3.9e-35;
Matches 91; Conservative 30; Mismatches 71;
```

```
US-09-189-527-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-189-527-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1280, Ap
Sequence 20235, A
Sequence 1086, Ap
Sequence 1130, Ap
Sequence 26, Appl
Sequence 1285, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 107, App
Sequence 3677, Ap
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 18, Appli
Sequence 2, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Appli
Sequence 10835, A
Sequence 2, Appli
Sequence 2, Appli
Sequence 4, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Appli
Sequence 7561, Ap
Sequence 94, Appl
Sequence 94, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51, Appl
45438, A
                                                                                                           August 26, 2005, 16:35:24 ; Search time 11.2354 Seconds (without alignments) 989.972 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                              US-10-037-860-9
766
1 DLMHIVQADNPSISVEECLE.....SIEEPEERDGYGRWNHEGDD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/pcTuS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-189-527-4
US-09-189-527-4
US-09-189-527-4
US-09-555-790A-2
US-09-208-908-9888-4
US-09-908-9888-4
US-09-908-9888-4
US-09-908-9888-4
US-09-908-9888-4
US-09-58-016-7561
US-09-58-09-1130
US-09-248-796A-20235
US-09-248-796A-20235
US-09-248-796A-20235
US-09-58-092-1130
US-09-58-092-1130
US-09-58-092-1285
US-08-540-824-26
US-08-540-824-26
US-08-540-824-26
US-08-540-824-26
US-08-540-824-26
US-08-249-601-18
US-09-949-001-18
US-09-949-001-18
US-09-949-001-18
US-09-949-001-18
US-09-949-001-18
                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                             protein search, using sw model
                                                                                                                                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Issued Patents AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                               Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     545
1307
1898
1898
1898
531
531
587
587
587
587
587
587
587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1367
1367
1367
1367
1367
1377
754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Title:
Perfect score:
                                                                                                                                                                                                                                                                                      Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.56.5

25.66.5

89.5

89.5

89.5

81.5

80.5

80.5

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

77.7

                                                                               protein
                                                                                                                                                                                                                                             Sequence:
                                                                                                                   Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Result
No.
```

```
66 EKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEAS 125
                                              10865, A
191, App
13698, Ap
13698, Ap
1078, App
2, Appli
6, Appli
8, Appli
8, Appli
1, Appli
1, Appli
1, Appli
1, Appli
3, Appli
1, Appli
3, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       274 ENNVVSRRNVNQTRLKRVLSGATLPDKLRDKLKLMKQRRKPPGFLALVKLLREEEEWEAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 VOADNPSISVEECLEAFKOVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRAV
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9,
Sequence 3,
                           Sequence Seq
                                                                                                                                                                                                                                                                                   Sequence Sequence Sequence S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 42.2%; Score 323; DB 3; Length 462; Best Local Similarity 52.7%; Pred. No. 4.1e-29; Matches 68; Conservative 26; Mismatches 33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 13, Application US/09189527A

Patent No. 6387639

GENERAL INFORMATION:

APPLICANT: JOSEP O. Dalmau

APPLICANT: JOSEP O. Dalmau

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

TITLE OF INVENTION: Antibodies

FILE REPRESENCE: SLK98-01

CURRENT APPLICATION NUMBER: US/09/189,527A

CURRENT APPLICATION NUMBER: 1998-11-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 13

LENGTH: 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09189527A
Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Antibodies
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
                 US-09-489-038A-1885A-788

US-09-489-039A-10805

US-09-370-838-191

US-09-902-540-135-98

US-09-902-540-13698

US-09-618-42-82

US-09-618-42-82

US-09-234-18-8

US-09-331-914-8

US-09-331-914-8

US-09-329-418-4

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5

US-09-329-418-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
  126 F--ENESIE 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     334 LGPDRESLE 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: homo sapiens
```

```
124 ASFENESIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 ASFENESIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 582 MDFERD----EERSANGGSESDGEE 602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         582 MDFERD----EERSANGGSESDGEE 602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
18-09-202-047A-2
Sequence 2, Application US/09202047A
Patent No. 6815531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 6
US-09-908-908B-4
; Sequence 4, Application US/0990898BB
; Patent No. 6740751
CURRENT FILING DATE: 2000-07-1
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 25.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 800
                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                              US-09-555-790A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-202-047A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT
                                                                                                                                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SENERAL INFORMATION:
| APPLICANT: VENTER, J. Craig et al. |
| APPLICANT: VENTER, J. Craig et al. |
| TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED |
| TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF |
| TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF |
| TITLE OF INVENTION: VOINGER: US/09/949, 016 |
| CURRENT APPLICATION NUMBER: US/09/949, 016 |
| PRIOR FILING DATE: 2000-04-14 |
| PRIOR FILING DATE: 2000-10-20 |
| PRIOR FILING DATE: 2000-10-03 |
| PRIOR FILING DATE: 2000-09-08 |
| NUMBER OF SEQ ID NOS: 207012 |
| SOFTWARE: FRACESEQ for Windows Version 4.0 |
| LENGTH: 577
                                                                                                                                                                                                                                                                                  332 HIFEMDDNDSQKEEEIRKYSIIYGRFDSKR------REGKQLSLHELTINEAAAQ 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        53 YVLRLETLLRRAVEKRAIPRRIADQVRLEQVMAGATLN--QMLWCRLRELKD----- 102
                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                               1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                              LRRAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQGPPPSFLEL 112
                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                            7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    35;
                                                                                                                                                                                     DB 3; Length 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 577;
                                                                                                                                                                                 33.5%; Score 256.5; DB 3; Length 346.6%; Pred. No. 1.5e-21; tive 25; Mismatches 30; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 HIVOADNPSISVEECLEAFKOVFGSLESRRTAQVRYLKPYQEEGEKVS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  53; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-555-790A-2

Sequence 2, Application US/0955790A

Sequence 1, Application US/0955790A

Patent No. 655652

GENERAL INFORMATION:
APPLICANT: ITCH, Kyogo et al.
TITLE OF INVENTION: THORN ANTIGEN PEPTIDE DERIVATIVES
FILE REFERENCE: 0020-4716p;
CURRENT APPLICATION NUMBER: US/09/555,790A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.3%; Score 94.5; DB 4; 23.5%; Pred. No. 0.03; tive 29; Mismatches 53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -- QGPPPSFLELMKVIREE-EEEEASFENESIE 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       441 EIQOPPGPESYVPPYRPSLEEDSASLSGESLD 473
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                             5-09-949-016-10835
Sequence 10835, Application US/09949016
Patent No. 6812339
                                                                                                                                                                         Query Match
Best Local Similarity 46.6%
Matches 54; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 23.59
Matches 36; Conservative
                                                                                                       ; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-949-016-10835
                                                                                                                                                                                                                                                                                                                                              61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM:
                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

```
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             540 EEDE-----DPERKGAIVENATSE--FCRTLGEIPTYG-----LAGNREEQEEL 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            540 EEDE-----DPERKGAIVFNATSE---FCRTLGEIPTYG------LAGNREEQEEL 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: OLSON, ERIC
APPLICANT: SPENCER, JEFREY A.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
TITLE OF INVENTION: IN STRIATED MUSCLE CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ::: | ::: | ::| | :|| | :|| | :|| | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| | :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      189 VLEBDEAELELOKQLE-----KGRRLRQLQQLQQLRDSGEKVVEIVKKLESRQRGW
                                                                                                                                                                                                                                                                                                                                                         5 IVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  65 VEKRAIPRRIADQVRLEQVMAGATLNQMLWCR-LRELKDQGPPPSFLELMKVIREEEEEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 IVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      65 VEKRAIPRRIADOVRLEQVMAGATLNOMLWCR-LRELKDOGPPPSFLELMKVIREEEEE
                                                                                                                                                                                     33; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: ITOH, Kyogo
APPLICANT: ITOH, Kyogo
APPLICANT: SHICHIJO, Shigeki
APPLICANT: SHICHIJO, Shigeki
APPLICANT: IMAI, Yasunisa
TITLE OF INVENTION: TUMOR ANTIGEN PROTEINS, GENES THEREFOR, AND TUMOR
TITLE OF INVENTION: ANTIGEN PEPTIDES
FILE REPERENCE: 0020-4491P
CURRENT APPLICATION NUMBER: US/09/202,047A
CURRENT FILING DATE: 1998-12-07
NUMBER OF SEQ ID NOS: 2
Query Match
11.7%; Score 89.5; DB 4; Length 800;
Best Local Similarity 25.3%; Pred. No. 0.18;
Matches 37; Conservative 25; Mismatches 51; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11.7%; Score 89.5; DB 4; Length 800; 25.3%; Pred. No. 0.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25; Mismatches
```

9

1050 AKEVLKKLFPKVSVPSNLSYGEWLH 1074

셤

```
77 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEEASFENESIEEPEE 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 BAFKQVFGSLESRRTAQVR---YLKPYQEEGEKVSAYVLRLETLLRRAVEKRAIPRRIAD 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  563 ERLEQLLKREEEKRLEQERREQRLKREQEE-----RRDQLLKREEERRQQRLKREQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels 25; Gaps
                                                                                                                                                                                        Query Match 10.6%; Score 81.5; DB 1; Length 1898; Best Local Similarity 28.9%; Pred. No. 5.4; Matches 35; Conservative 16; Mismatches 45; Indels 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael F.
REGISTRATION NUBBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPEN: (714) 760-9502
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 94, Application US/08800644;
Patent No. 5958752;
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-11
                                                                                                                                       Sequence 94, Application US/08056200
Patent No. 5616500
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1898 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , MOLECULE TYPE: protein US-08-056-200-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             137 R 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                661 R 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-08-800-644-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7561, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

CURRENT FILING DATE: 2000-04-14

PRIOR PAPLICATION NUMBER: 60/241,755

PRIOR PAPLICATION NUMBER: 60/231,768

PRIOR PAPLICATION NUMBER: 60/231,768

PRIOR PAPLICATION NUMBER: 60/231,498

PRIOR PELING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-3

PRIOR PELING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-3

SPRIOR FILING DATE: 2000-10-3

SPRIOR FILING DATE: 2000-10-3

PRIOR FILING DATE: 2000-10-3
                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   940 IVLKEKENELKRLEAMLKERESDLSSKTQLLQDVQDE-----NKLFKSQIEQLKQQN 991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -----LRLETLLRRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQG 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        48 -----EKVS-------82VLRLETLLRRAVEKRAIPRRIADQVRLEQ--- 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83 VMAGATLNOMLWCRLRELKDOGPPPSFLELMKVIREEEEEBASFENESIEEPEERD 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 IVQADNPSISVEEC-----LEAFKQVFGSLESRRTAQVRYLKPYQEEG-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----PPPSFLELMKVIREEEEEASFENE-----SIEEPEERD------
                                                                                                                                                                                                                                                                                                                                                                                                      .
90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11.0%; Score 84.5; DB 4; Length 1307; 19.0%; Pred. No. 1.4; ive 25; Mismatches 56; Indels 85
                                                                                                                                                                                                                                                                                                                                             DB 4; Length 545;
                                                                                                                                                                                                                                                                                                                                                                                              49; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16 EECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYV
                                                                                                                                                                                                                                                                                                                                             11.4%; Score 87; DB 4;
25.0%; Pred. No. 0.21;
tive 23; Mismatches
FILE REFERENCE: MYOG:028US
CURRENT APPLICATION NUMBER: US/09/908,988B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/219,020
PRIOR FILING DATE: 2000-07-18
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ---GYGRWNH 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 19.0%
Matches 39; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                44; Conservative
                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-949-016-7561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -09-949-016-7561
                                                                                                                                                                                                                                                                                            US-09-908-988B-4
                                                                                                                                                                                                                   545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               139
                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
ò
                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              77 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEBEBASFENESIEEPEE 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 BAFKQVFGSLESRRTAQVR---YLKPYQEEGEKVSAYVLRLETLLRRAVEKRAIPRRIAD 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Giot, Loic
APPLICANT: Giot, Loic
APPLICANT: Giot, Loic
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REPERENCE: 15966-542
CURRENT APPLICATION NUMBER: US/09/538,092
CURRENT FILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR FILING DATE: 2000-02-01
ROWBER OF SEQ ID NOS: 1387
SOFTWARE: CHEAPSTCATION NUMBER: CLOOPER OF SEQ ID NOS: 1387
SOFTWARE: CLOOPER OF SEQ ID NOS: 1387
SOFTWARE: CLOOPER OF SEQ ID NOS: 1387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.6%; Score 81.5; DB 2; Length 1898; 28.9%; Pred. No. 5.4; Live 16; Mismatches 45; Indels 25
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Mehods of Using Same
                                                                                                                                                                                             COUNTRY: U.S.A.

ZIP: 92660
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,644
FILING DATE: 14-FEB-1997
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: US 08/056,200
FILING DATE: 30-APR-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                              ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1280, Application US/09538092; Patent No. 6753314; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (714) 760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1898 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 28.9%
Matches 35; Conservative
                                                                NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        137 R 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   R 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-538-092-1280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-800-644-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   661
                                                                                                                                                                               STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

```
Sequence 2025, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: POR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: POR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR PELICATION NUMBER: US 60/074,725
PRIOR PILING DATE: 1998-02-13
PRIOR PILING DATE: 1998-06-13
PRIOR PILING DATE: 1998-06-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 10816, Application US/09949016
Patent No. 6812339
Patent No. 6812339
ADELICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
TITLE REPRENCE: CL001307
TITLE REPRENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         77 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEEASFENESIEEPEE 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56 RLETLLRRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSF---- 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       563 ERLEQLLKREEEKRLEQERREQRLKREGEE------RRDQLLKREEERRQQRLKREQ 613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 614 BERLEORLKREEVERL---EQEERRDE------RLKREEPEERRHELLKSEEQEE 660
                                                                                                                                                                                                                                                                                                                                                                                                           20 EAFKQVFGSLESRRTAQVR---YLKPYQEEGEKVSAYVLRLETLLRRAVEKRAIPRRIAD 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          66 ITELEEGRRIEKERREQLKLQKQQERQEALARGEIVEDDDEMDEDDQ--EEGD 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ---LELMKVIREEEEEASFENESIEEPEERDGYGRWNHEGD 148
                                                                                                                                                                                                                                                                              Query Match 10.6%; Score 81.5; DB 4; Length 1899; Best Local Similarity 28.9%; Pred. No. 5.4; Matches 35; Conservative 16; Mismatches 45; Indels 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 10.5%; Score 80.5; DB 4; Length 531; Best Local Similarity 23.9%; Pred. No. 1.1; Matches 27; Conservative 21; Mismatches 34; Indels 3
                                                                                                                                                           ; LOCATION: (0)...(0)

; DOTHER INFORMATION: Polypeptide Accession Number Q07283

US-09-518-092-12180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/241,755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 20235
LENGTH: 531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Candida albicans
                             TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                      NAME/KEY: misc_feature LOCATION: (0)...(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      110 -----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-09-248-796A-20235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-248-796A-20235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-09-949-016-10896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   137 R 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 661 R 661
LENGTH: 1898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
```

```
68 RAIPRRIADQVRLEQV-MAGATLNQMLWCRLRELKDQGPPPSFLELMKVIR-----EE 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      68 RAIPRRIADQVRLEQV-MAGATLNQMLWCRLRELKDQGPPPSFLELMKVIR-----EE 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         297 AVAMAETLKTLRQVEVINFGDCLVRSKGAVAIADAIRGGLPKLKELNLSFCEIKRDAA-- 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1130, Application US/09538092

Fatent No. 6753314

GENERAL INFORMATION:

APPLICANT: Glot, Loic

APPLICANT: Glot, Loic

TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same

TITLE OF INVENTION NUMBER: US/09/538,092

CURRENT FILING DATE: 2000-03-29

FRIOR APPLICATION NUMBER: 60/127,352

FRIOR APPLICATION NUMBER: 60/17,352

FRIOR FILING DATE: 1999-04-01

FRIOR FILING DATE: 1999-04-01

FRIOR FILING DATE: 2000-02-01

NUMBER OF SEQ ID NOS: 1387

SOFTWARE: CuraPatSeqFormatter Version 0.9

SEQ ID NO 1130
                                                                                                                                                                                                                                                                                                                                                                      12 SISVEECLEAFKQV----FGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRAVEK 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 SISVEECLEAFKOV----FGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRAVEK 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.4%; Score 80; DB 4; Length 587; 26.6%; Pred. No. 1.5; tive 22; Mismatches 60; Indels
                                                                                                                                                                                                                                                                                    DB 4; Length 568;
                                                                                                                                                                                                                                                                                 10.4%; Score 80; DB 4; Length 568
26.6%; Pred. No. 1.4;
tive 22; Mismatches 60; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (0)...(0)
OTHER INFORMATION: Polypeptide Accession Number P46060
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastsEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EEEEASFENESIEEPEERD 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EEEEASFENESIEEPEERD 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EEEEGEEEEEAEEEEED 383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EEEEGEEEEEAEEEEED 427
                                                                                                                                                                                                                                                                                                                          37; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 26.6
Matches 37; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
NAME/KEY: misc_feature
LOCATION: (0)...(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 37; Conserv
                                                                                                                                                                                               TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                         US-09-949-016-10896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 13
US-09-538-092-1130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-538-092-1130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a
                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                              유
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
Security Application US/09540824

Patent No. 6383753
GRNERAL INFORMATION:
APPLICANT: Thiele, Dennis
APPLICANT: Liu, Phillip
TITLE OF INVENTION: No. 6383753e1 Yeast and Mammalian Regulators of Cell Proliferat:
TITLE OF INVENTION: No. 6383753e1 Yeast and Mammalian Regulators of Cell Proliferat:
CURRENT APPLICATION NUMBER: US/09/540,824
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin version 3.0
SEQ ID NO 26
LENGTH: 825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 306 -----RLRELEDQ------RISRMEHYQEDSASEAGSIEDEQATDNVFGFGKG 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98 TLNQMLWCRLRELKDQGPPPSFLELMKVIR-EEEEEEASFENESIEEPEERD---GYGR- 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66 ----EKRAIPRRIADQVR-----LEQVMAGATLNQMLWCRLRELKDQGPPSFLELMKV 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 15
US-09-538-092-1285
i Sequence 1285. Application US/09538092
i Sequence 1285. Application US/09538092
i Patent No. 675314
i GENERAL INFORMATION:
i APPLICANT: Glot, Loic
i APPLICANT: Mansfield, Traci A.
i TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
i TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
i CURRENT APPLICATION NUMBER: 05/09538,092
i CURRENT FILING DATE: 2000-03-29
i PRIOR FILING DATE: 2000-03-29
i PRIOR FILING DATE: 2000-02-01
i PRIOR FILING DATE: 2000-02-01
i RIOR FILING DATE: 2000-02-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30 ESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRAV-EKRAIP-RRIADQVRLEQVMAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15 VEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAY------VLRLETLLRRAV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             32; Indels 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.1%; Score 77.5; DB 4; Length 620; 25.0%; Pred. No. 3.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 3; Length 825; 2.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (0).T.(0)
OTHER INFORMATION: Polypeptide Accession Number Q08379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 10.4%; Score 80; DB 3 Best Local Similarity 25.8%; Pred. No. 2.4; Matches 33; Conservative 25; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Schizosaccharomyces pombe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 25.0%
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             143 ----- WN 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            348 QENEEEWN 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-538-092-1285
JS-09-540-824-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JS-09-540-824-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
```

266 DQLQQQBAQGRAVAEMARQELQETQERLEAATQQNQQLRAQLSLMAHPG-----EGDGL 319 음 **상** 음

Search completed: August 26, 2005, 16:50:24 Job time : 12.2354 Becs

Sequence 40, Appl Sequence 108, Appl Sequence 26, Appl Sequence 74, Appl Sequence 74, Appl Sequence 77, Appl Sequence 512, Appl Sequence 2125, Appl Sequence 2125, Appl Sequence 2125, Appl Sequence 2125, Appl Sequence 2126, Appl Sequence 674, Appl Sequence 674, Appl Sequence 8, Appli Sequence 8, Appli Sequence 6736, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 187531,

Thu

Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Searched:

Database

```
LRRAVEKRAIPRRIADOVRLEGOVMAGATLNOMLWCRLRELKDOGPPPSFLELMKVIREEE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLKLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-037-860-9

Sequence 9, Application US/10037860

Publication No. US20020123114A1

GENERAL INFORMATION:

APPLICANT: Jerome B. Posner

APPLICANT: Josep O. Dalmau

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA

TITLE OF INVENTION: ANTIBODIES

FILE REPREBRENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

CURRENT PILING DATE: 2001-01-04

PRIOR PELING DATE: 1998-11-10

NUMBER: FASTEQ FOR WINDOWS VERSION 4.0
US-09-969-680A-1

US-10-341-43-10

US-11-08-69-1

US-10-037-860-4

US-10-037-860-4

US-10-037-860-4

US-10-037-860-4

US-10-094-466-3

US-10-094-466-3

US-10-296-115-1208

US-10-296-115-1208

US-09-804-014A-73

US-09-804-014A-73

US-10-09-804-014A-73

US-10-10-10-128-869-122

US-10-755-889-122

US-10-755-889-122

US-10-755-889-122

US-10-755-886-2599

US-10-756-149-5421

US-10-756-149-5421

US-10-731-860-2599

US-10-731-860-2599

US-10-731-963-15854

US-10-731-860-2599

US-10-731-963-15854

US-10-756-149-5421

US-10-756-149-5421

US-10-759-939-136-6736

US-10-759-939-53-129734

US-10-959-539-531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 766; DB 13;
100.0%; Pred. No. 6.2e-70;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                 US-09-908-98B-4

US-10-775-649-4

US-10-775-627-4

US-10-408-765A-257

US-10-725-149-4680
                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 149; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: homo sapiens
US-10-037-860-9
  11.6
                                                                                                                                                                                                                                                                                                                                                           11.4
11.0
10.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 149
                                                                                 271.5
271.5
271.5
271.5
256.5
247.5
247.5
                                                                                                                                                                                                                                                                                                                       87.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 9
   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Appli
Sequence 11, Appli
Sequence 11, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 1385, Ap
Sequence 1978, Ap
Sequence 1, Appli
Sequence 1, Appli
Sequence 16, Appli
                                                                             August 26, 2005, 16:45:49; Search time 39.5863 Seconds (without alignments) 1478.945 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                     1 DLMHIVQADNPSISVEECLE......SIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Description
                                                                                                                                                                                                                                                                                                                                                     1767149
             GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 US-10-037-860-9
7 US-10-504-229-3
3 US-10-037-860-11
3 US-10-037-860-13
US-09-965-529-7
0 US-09-965-529-7
0 US-11-048-69A-7
6 US-11-048-692-7
6 US-10-408-765A-2385
5 US-10-094-749-1978
                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                1767149 segs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                Published Applications AA:
                                                           - protein search, using sw model
                                                                                                                                                                            BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                            Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13
13
9
                                                                                                                            US-10-037-860-9
766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Match Length
```

Sequence 4, Appli Sequence 4, Appli Sequence 27, App Sequence 3, Appli Sequence 3, Appli Sequence 3, Appli

ô

Gaps

ö

Length 149; Indels 9 9 LRRAVEKRAIPRRIADQVRLEQVWAGATINQMLWCRLRELKDQGPPPSFLELMKVIREEE 120

61

g

US-09-804-014A-16

US-09-965-529-1

766 758 323 323 295.5 295.5 295.5 287 271.5

Score

Result g

```
US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
            g
                                                           ò
                                                                                               원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 216 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETL 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 LRRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                             Sequence 3, Application US/10504329

Publication No US20050106569A1

Publication No US20050106569A1

GENERAL INFORMATION:

APPLICANT: Evotec NeuroSciences GmbH

TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeuronal

TITLE OF INVENTION: antigens for neurodegenerative diseases

FILE REFERENCE: 030475wo MKPBM

CURRENT APPLICATION NUMBER: US/10/504,329

CURRENT PILING DATE: 2004-08-25

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tch 98.6%; Score 755; DB 13; Length 283; al Similarity 98.7%; Pred. No. 1.9e-68; 147; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 11, Application US/10037860

Publication No. US2020123114A1

GENERAL INFORMATION:

APPLICANT: Josep O. Dalmau

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma

TITLE OF INVENTION: ANTIBODIES

FILE REFERENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

CURRENT APPLICATION NUMBER: 09/189,527

PRIOR PILING DATE: 2001-01-04

PRIOR PILING DATE: 1998-11-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
99.0%; Score 758; DB 17;
Best Local Similarity 99.3%; Pred. No. 1.3e-68;
Matches 148; Conservative 0; Mismatches 1;
EEEASFENESIEEPEERDGYGRWNHEGDD 149
                       121 EEEASFENESIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 EEEASFENESIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EEEASFENESIEEPEERDGYGRWNHEGDD 364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 11
LENGTH: 283
                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: homo sapiens
US-10-037-860-11
                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 3
LENGTH: 364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-037-860-11
                                                                                                                      US-10-504-329-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-504-329-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 147
121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
```

```
66 EKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEEAS 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                280 ENNVVSRRNVNQTRLKRVLSGATLPDKLRDKLKMKQRRKPPGFLALVKLLREBEBEWEAT 339
61 LRRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEE 120
                                  65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 VOADNPSISVEECLEAFKOVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLLRRAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          j CERDEACH INCLUMENTIAL STREET APPLICANT: LAL, Preet I
APPLICANT: LAL, Preet I
APPLICANT: TANG, Y. Tom
APPLICANT: BANDMAN, Olga
APPLICANT: BANDMAN, Olga
APPLICANT: BANDMAN, Olga
APPLICANT: BANDMAN, Wariah R.
APPLICANT: BANDHAN, Wariah R.
APPLICANT: BANDHAN, Wariah R.
APPLICANT: BANDHAN, Chandra
APPLICANT: PATTERSON, Chandra
APPLICANT: BANDHAR: COI. 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 7
LENGTH: 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
42.2%; Score 323; DB 13; Length 463;
Best Local Similarity 52.7%; Pred. No. 3.8e-24;
Matches 68; Conservative 26; Mismatches 33; Indels
                                                                                                                                                                                                                                                                       US-10-37-860-13
| Sequence 13, Application US/10037860
| Publication No. US20020123114A1
| GENERAL INFORMATION:
| APPLICANT: Josep O. Dalmau
| APPLICANT: Myrna R. Rosenfeld
| TITLE OF INVENTION: A REMILY POLYPEPTIDES AND ANTI-Ma
| TITLE OF INVENTION: ANTIBODIES
| FILE REFERENCE: 2581.1004-004
| CURRENT APPLICATION NUMBER: 09/189,527
| PRIOR FILING DATE: 1998-11-10
| NUMBER OF SEQ ID NOS: 14
| SOFTWARE: FastSEQ for Windows Version 4.0
| SEQ ID NO 13
| TYPE: PRI
                                                                                                                           121 EEEASFENESIEEPEERDGYGRWNHEGDD 149
                                                                                                                                                        255 EEEASFENESIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7, Application US/09965529
Publication No. US20020182671A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  340 LGPDRESLE 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         126 F--ENESIE 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: homo sapiens
```

```
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                   LRRAVEKRAIPRRIADQVRLEQVWAGGA----TLNQMLWCRLRELKDQGPPPSFLELMKVI 116
                                                                                                                                                                                                                                                                                                                                                   61 LRRAVEKRAIPRRIADOVRLEQVMAGA----TLNOMLWCRLRELKDOGPPPSFLELMKVI 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    272 LOKVVEKGAIDKDNVNOARLEQVIAGANHSGAIRROLWL---TGAGEGPAPNLFQLLVQI 328
                                                                                                                                                                                                                              1 DIMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match

38.6%; Score 295.5; DB 10; Length 353;
Best Local Similarity 46.3%; Pred. No. 1.7e-21;
Matches 62; Conservative 29; Mismatches 36; Indels 7;
                                                                                                                                     Query Match
38.6%; Score 295.5; DB 9; Length 353;
Best Local Similarity 46.3%; Pred. No. 1.7e-21;
Matches 62; Conservative 29; Mismatches 36; Indels 7
                                           ) NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, Noil; BANDMAN, Olga
APPLICANT: BUREORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: PATYERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILLE REFERENCE: Pr-0731-1 USA
CURRENT PPLICATION NUMBER: USO0/22315
PRIOR APPLICATION NUMBER: 0501-10-02
PRIOR PLLING DATE: 2000-08-14
PRIOR PLLING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 7, Application US/09969680A; Publication No. US20030124649A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 117 REFERENSFENES 130
                                                                                                                                                                                                                                                                                                                                                                                                                                           |||| :| | |:
329 REEEAKEEEEEAEA 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    117 REEEEEBASFENES 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ||||| :| | | :
REEEAKEEEEAEA 342
ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 6
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 7
LENGTH: 353
                                                                                                                                                                                                                                                                                                                        61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               329
                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
```

RESULT 7

```
61 LRRAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQGPPPSFLELMKVI 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Zhang, Bing
APPLICANT: Zhang, Bradferd W.
APPLICANT: Taylor, Steven W.
APPLICANT: Taylor, Gary M.
APPLICANT: Warnock, Dale B.
TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
FILE REFERENCE: 660088.465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
38.6%; Score 295.5; DB 20; Length
Best Local Similarity 46.3%; Pred. No. 1.7e-21;
Matches 62; Conservative 29; Mismatches 36; Indels
                                                                 GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: WEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PP.0713-1 USA
CURRENT FILING DATE: 2005-02-02
PRIOR APPLICATION NUMBER: US/09/969,680
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) NAME/KEY: misc feature
) OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/408,765A
CURRENT FILING DATE: 2003-04-04
NUMBER OF SEQ ID NOS: 3077
SEQ ID NO 2385
LENGTH: 452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2385, Application US/10408765A Publication No. US20040101874A1 GENERAL INFORMATION:
APPLICANT: Ghosh, Soumitra S. APPLICANT: Pahy, Boin D.
Sequence 7, Application US/11048692
Publication No. US20050123990A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  117 REEEEEASFENES 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||| :| | |:
329 REEEAKEEEEEAEA 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo sapiens
US-10-408-765A-2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-408-765A-2385
```

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62 RRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEE 121
                                                                                                                                                  62 RRAVEKRAIPRRIADQVRLEQVWAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEE 121
                                                                                                2 LMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 LMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETLL
                                       .;
8
   37.5%; Score 287; DB 16; Length 452; 43.8%; Pred. No. 1.7e-20; tive 30; Mismatches 43; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36.2%; Score 277; DB 15; Length 399; 43.5%; Pred. No. 1.5e-19; tive 30; Mismatches 48; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: SOLI, MAJORIAN
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUTKA, WONOYUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: NAGAHARI, KENJI
APPLICANT: NAGAHARI, KENJI
APPLICANT: NAGAHARI, KENJI
APPLICANT: NAGHARI, KENJI
ANGURENT PERERENCE: 084335/0160
CURRENT APPLICATION NUMBER: 002-03-12
PRIOR PELING DATE: 2002-01-24
PRIOR PILING DATE: 2002-01-24
PRIOR PILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
                                                                                                                                                                                                                          122 --- EEASFENESIEEPEERDGYGR 142
                                                                                                                                                                                                                                                            335 WENTEAVMKNK-----EKPSGRGR 353
                                                                                                                                                                                                                                                                                                                                                   Sequence 1978, Application US/10094749 Publication No. US20030219741A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EEASFENESIEEPEERDG 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         328 WEASLARSVRAQTQEGAG 345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SATO, HIROYUKI
ISHII, SHIZUKO
YAMAMOTO, JUN-ICHI
ISONO, YUUKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
SEKI, NAOHIKO
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIXAMA, TOMOXASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
Query Match
Best Local Similarity 43.8%
Matches 63; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ISONO, YUUKO
HIO, YURI
OTSUKA, KAORU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo sapiens
US-10-094-749-1978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 60; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 1978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT
                                                                                                            g
                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                  ઠે
                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
```

```
61 IRRAVEKRAIPRRIADQVRIEQVMAGA---TLNQMLWCRLRELKDQGPPPSFLELMKVIR 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Majumder, Kumud
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: NOVEL POLYPEPTIGES and Nucleic Acids Encoding Same
TITLE OF TOWNENTION: NOVEL POLYPEPTIGES and Nucleic Acids Encoding Same
TITLE OF TOWNENT ON WIMBER: US/09/804,014A
CURRENT FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR APPLICATION NUMBER: 60/188,77
PRIOR PILING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                    TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS; FILE REFERENCE: PF-0731 USA; CURRENT APPLICATION NUMBER: US/09/965,529; CURRENT FILING DATE: 2001-09-26; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14 SOFTWARE: PERL PROGRAM
SEQ ID NO 1
ENGRAP: 351
TWOST : ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35.4%; Score 271.5; DB 9; Length 351; 44.6%; Pred. No. 4.7e-19; tive 32; Mismatches 29; Indels 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16, Application US/09804014A Publication No. US20030064489A1 GENERAL INFORMATION:
Sequence 1, Application US/09965529
Publication No. US20020182671A1
GENERAL INFORMATION:
                                                                                APPLICANT: LAL, Preeti
APPLICANT: YUB, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: BANDMAN, Olga
APPLICANT: BURFORD, Neil
APPLICANT: BAUGHN, Mariah R.
APPLICANT: LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 44.6%
Matches 58; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   331 DYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               118 E---EEEEEA 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Li, Li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-965-529-1
```

```
: |||||
331 DYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 58; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-341-434-10
                            유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 LRRAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCRLRELKDQGPPPSFLELMKVIR 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 LRRAVEKRAIPRRIADQVRLEQVMAGA---TLNOMLWCRLRELKDOGPPPSFLELMKVIR 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL 60
                                                                                                                                                                                                                                                                                                                                                  1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL 60
                                                                                                                                                                                                                                                                                                      29; Indels 11; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 35.4%; Score 271.5; DB 10; Length 351; Best Local Similarity 44.6%; Pred. No. 4.7e-19; Matches 58; Conservative 32; Mismatches 29; Indels 11;
                                                                                                                                                                                                                                                         ch 35.4%; Score 271.5; DB 10; Length 351; l Similarity 44.6%; Pred. No. 4.7e-19; 58; Conservative 32; Mismatches 29; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
US-09-969-680A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: LAL, Freet; YUE, Henry
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, MARINEAN, DYUNG Aina M.
APPLICANT: BAUGHN, MARINEANE ASSOCIATED PROTEINS
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680A
CURRENT FILING DATE: 2000-08-14
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGram
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR PTLING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 16
LENGTH: 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 1, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    331 DYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     118 E---EEEEEA 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        118 E---EEEEEA 124
                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 58; Conserv
                                                                                                                                                                                                                    US-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
US-09-969-680A-1
                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
7
                                                                                                                                                                 61 LRRAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLMCRLRELKDGGPPPSFLELMKVIR 117
                                                                                                                                                                                                                                               9
                                                                                                                                            1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 LRRAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQGPPPSFLEL 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 35.4%; Score 271.5; DB 20; Length 351; Best Local Similarity 44.6%; Pred. No. 4.7e-19; Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 13; Length 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 33.5%; Score 256.5; DB 13; Length 46.6%; Pred. No. 1.5e-17; tive 25; Mismatches 30; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
    APPLICANT: Jerome B. Posner
; APPLICANT: Jerome B. Posner
; APPLICANT: Jerome B. Posner
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT APPLICATION NUMBER: 09/189,527
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; SECTION OF SECTION NUMBER: 09/189,527
; BRIOR FILING DATE: 1998-11-10
; SECTION 04
; SECTION 04
; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Search completed: August 26, 2005, 17:21:27 Job time : 40.5863 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 46.64
Matches 54; Conservative
                                                                                                                                                                                                                                                                                                                              : |||||
331 DYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                     118 E---EEEEEA 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 15
US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: nc
US-10-037-860-4
                                                                                                                                                                         g
                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                        q
                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        원
```

```
Sequence 13, Applisequence 7, Applisequence 14, Applisequence 12, Applisequence 22, Applisequence 2, Applisequence 6, Applisequence 5, Applisequence 5, Applisequence 51, Applisequence 7561, Applisequence 7561, Applisequence 2, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 25, Appli
Sequence 24, Appli
Sequence 6441, Ap
Sequence 94, Appl
Sequence 94, Appl
Sequence 1280, Ap
Sequence 23947, A
Sequence 8, Appli
Sequence 3, Appli
Sequence 4, Appli
Sequence 6, Appli
Sequence 9, Appli
Sequence 9, Appli
Sequence 9, Appli
Sequence 9, Appli
                                                                                                                                                           August 26, 2005, 16:35:24 ; Search time 21.3397 Seconds (without alignments) 989.972 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                     US-10-037-860-11
1462
1 VQCKGGVWKVIFKTPNQDTE.....SIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               513545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-189-527-13

US-09-189-527-7

US-09-189-527-7

US-09-189-527-7

US-09-189-527-7

US-09-189-527-7

US-09-189-527-13

US-09-189-527-2

US-09-189-522-62

US-09-189-522-62

US-09-189-522-62

US-09-189-52

US-09-189-52

US-09-189-52

US-09-189-52

US-09-189-52

US-09-189-52

US-09-189-78

US-09-252-91A-19048

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347

US-09-252-91A-2347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                          OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                     BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Issued Patents AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                     Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    618.5
593
564
104.5
100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database
                                                                                                                                                                 Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Result
```

Sequence 4, Appli Sequence 5, Appli Sequence 4, Appli Sequence 10660, Ap Sequence 827, Ap Sequence 8, Appli Sequence 8, Appli Sequence 6, Appli Sequence 6, Appli Sequence 1809, Ap Sequence 1809, Ap Sequence 1809, Ap Sequence 1809, Ap Sequence 1809, Ap Sequence 1809, Ap Sequence 1809, Ap		er e	Length 462; Indels 5: Gans 3:	SPEL 60     SPEF 135	VLEGATEIVKEWPVTEA 119       :::       VLEHTTEMLQMWQVPEG 193	LESRRTAQVRYLKTYQE 179 :  :  :   : VESHKIAQVKLCKAYQE 253	LNOMLWCRLRELKDOGP 239     : ::  LPDKLRDKLKLMKQRRK 313		
US-09-531-914-4 US-09-531-914-5 US-09-531-914-5 US-09-90-918-91-914-9 US-09-949-016-10660 US-09-949-016-10660 US-09-329-418-8 US-09-329-418-8 US-09-329-418-8 US-09-736-770-6 US-09-736-770-6 US-09-736-770-6 US-09-736-770-6 US-09-736-770-6 US-09-736-770-6 US-09-736-770-6 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-736-770-8 US-09-649-016-8823 US-09-949-016-8823	ALIGNMENTS	09189527A :r eld ily Polypeptides and Anti-Ma dies US/09/189,527A 11-10 ows Version 3.0	Score 618.5; DB 3; Ler Pred. No. 2.7e-56; 44: Mismatches 85; Inc	EFLERLNLFLEKEGOTVSGMFR	LAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVMLEQATEIVKEWPVTEA 	EKKRWIAESLRGPALDIMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE   :         :	EGEKVSAYVLRLETLLRKAVEKRAI PRRIADOVRLEQVMAGATLNQMLWCRLRELKDQGP       :           :	PPSFLEIMKVIREEEEEASFENESIE 266             :  :              :	19527A
0.000000000000000000000000000000000000		> 034€0 70	28 3	VIFKTPNODT	AHAPQPLL-E        GAAVQPLLEC	LRGPALDLMF         :: LRGPALQVVS	LRLETLLRK?         ::  LRLEPLLOR	PPSFLELMKVIREEEEERASF- 	-7 Application US/0918952 6387639
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1-527-13 10 13, Application US 10, 6187619 10, INFORMATION: 1-ANT: Jerome B. Posn 1-APPLICATION NUMBER 1	•	VQGKGGVWK :       : IPGKGGPWE	LAHLLGQAM   : WTWAQTLA	EKKRWLAES!   :      EKRRRLMECI	EGEKVSAYVI       ::  AGEKVSSFVI	PPSFLELMK        :  PPGFLALVK	7 Applicati 387639
00 00 00 00 00 00 00 00 00 00 00 00 00		" " " " " " " " " " " " " " " " " " "	atc gal	, ,	136	120	180	314	
00000000000000000000000000000000000000		RESULT 1 Sequence Sequence Patent P GENERAL APPLICY APPLICY TITLE TITLE CURRENT CURRENT CURRENT NUMBER SOFTWABE SOFTWABE SOFTWABE TYPE: CREOGIL TYPE: CREOGIL TYPE: CREOGIL TYPE: CREOGIL TYPE: CREOGIL TYPE: CREOGIL	Oue Bes Mat	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	yo du	දුරු දුර	දු දු	λ O	RESULT 2 US-09-189-52 ; Sequence 7 ; Patent No.

```
6.8%; Score 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              253 E-EEEEASFENESIE 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                459 SLEEDSASLSGESLD 473
         316 GPGPKPLSV 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Glycine max
                                                                               JS-09-949-016-10835
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-949-016-10835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-585-173B-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                      81 VQGKGGWWKVIFKTPNQDTEFLERINLFLEKEGQTVSGMFRALGGEALSPATVPCISPEL 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQ 2377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63 HLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEG 181
                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                    1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPELLA
                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 LAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWP 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   38.6%; Score 564; DB 3; Length 329; 47.0%; Pred. No. 8.7e-51; Live 47; Mismatches 73; Indels
                                                                                                                                                                                                                                                                                                            40.6%; Score 593; DB 3; Length 195; 98.3%; Pred. No. 3.5e-54; ive 1; Mismatches 1; Indels
APPLICANT: Jerome B. Posner
APPLICANT: Josepo. Dalman
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REPRENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ IO NOS: 14
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4, Application US/09189527A;
Sequence 4, Application US/09189527A;
Batent No. 6387639;
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Josep O. Dalmau
TITLE OF INVENTION: AR Resenfeld
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A;
CURRENT FILING DATE: 1998-11-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                            98.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 47.0%,
Matches 117; Conservative
                                                                                                                                                                                                                                                                                                                            Best Local Similarity 98.3
Matches 113; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GPPPSFLEL 246
                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                          US-09-189-527-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              259
                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE:
                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q
                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
APPLICANT: UNEXPANDIO:
APPLICANT: UNEXPER, J. Craig et al.
APPLICANT: UNEXPER, J. Craig et al.
APPLICANT: UNEXPER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLOO1307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/231,768
PRIOR PELING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FRESERQ for Windows Version 4.0
LENGTH: 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96 EEESFEVWLEQATEIVKEWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSISVEECLEA 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           290 EPEMVRMVVESVERIFRSFPRGDAGEVTSLLKLNKKLARSVGHIFEMDDNDSQKEEEIRK 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         156 FKQVFGSLESRRTAQVRYLKTYQEEGEKVS------AYVLRLETLLRKAVEKRAI 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        205 PRRIADQVRLEQVMAGATLN--QMLWCRLRELKD-------QGPPPSFLELMKVIRE 252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            35; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 577;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 750;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 7.1%; Score 104.5; DB 4; Best Local Similarity 22.1%; Pred. No. 0.044; Matches 43; Conservative 39; Mismatches 78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-585-173B-12

US-09-585-173B-12

Sequence 12, Application US/09585173B

Patent No. 6570063

GENERAL INFORMATION:

APPLICANT: Butler, Karlene

APPLICANT: Gutteridge, Steven

APPLICANT: Gutteridge, Steven

APPLICANT: Maxwell, Carl

TITLE OF INVENTION: Magnesium Chelatase

FILE REFERRINCE: BB1370 US NA

CURRENT APPLICATION NUMBER: US/09/585,173B

CURRENT FILING DATE: 2000-06-01

PRIOR APPLICATION NUMBER: US 60/137,461

PRIOR FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 54

SEQ ID NO 12

LENGTHARE: Microsoft Office 97

"TENGTHARE: Microsoft Office 97

"TENGTHARE: NO 12
Sequence 10835, Application US/09949016 Patent No. 6812339
```

```
Sequence 2, Application US/09364206
Patent No. 6475752
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) OTHER INFORMATION: 129581CD1
; PUBLICATION INFORMATION:
US-09-364-206-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 22.69
Matches 65; Conservative
                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                            1504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-650-766-6
                                             JS-09-364-206-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-650-766-6
                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: PILETZ, John E.

APPLICANT: PILETZ, John E.

APPLICANT: IVANOV, Tina R.

TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES

TITLE OF INVENTION: AND POLYPEPTIDES ENCODED THEREBY

FILE REFERENCE: Corrected Sequence Listing

Patent No. 6033871

CURRENT APPLICATION NUMBER: US/08/922,635A

CURRENT FILING DATE: 1999-09-03

EARLIER PILING DATE: 1996-03-01

EARLIER PILING DATE: 1996-03-01

EARLIER PILING DATE: 1996-03-01

NUMBER: OF SEQ ID NOS: 22

SOFTWARE: PATENTIN Ver. 2.0
                                                                                                                                                                                                                                                         191 GEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPP 240
                                                                                                                                                                                     272 DRIAINLSAD-LPMSFENRVAAVGIATEFQENSSQVFEMVEEETDNAKTQIILAREYLKD 330
                                                                                                                                                                                                                                   114 WPVTEAEKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRY 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    74 QPLLPMRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKE-WPVTEAEKKRWLAESLRG- 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              69 ÓPIL-----SNOGIMFVQÉFALASSLSSTDSLTPÉHOPIAQG-----CSDSLESI 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       132 PA-----LDLMHIVQADNPSISVEECLEAFKQVF---GSLESRRTAQVRYLKTYQEE 180
                                                                                                     214 YVDEINLL--DĖGISNLLLMVLSEGVNTVERĖGISPKHPCRPLLIATYNPĖEGAVREHLL 271
                                                                                                                                              66 GQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEES--FEVWLEQ------ATEIVKE 113
                                                                                                                                                                                                                                                                                                                 174 LKTYQEEGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRE 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           114 PAGQAASDDLRDVPGAVGGASP----EHAEPEVQVVPGSGQIIFLPFTCIGYTATNQD- 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -----AWIEAANQREEGOG 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EKEGQTVSGMFRAL-------GQEGVSPATVPCISPELLAHLLGQAMAHAP
                            Gaps
                                                              21 FLERLNLFLEKEG-----QTVSGMFRALGQEGVS-----PATVPCISPE---LLAHLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             86; Gaps
                       80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   200 EQGEE---EDEEEEEEDVAENRYFEMGPPDVEEEEGGGGGEEEEE 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 PSFLELMKVIREEEEEASFENESIE----EPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 3; Length 1070;
                       94; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6.7%; Score 98; DB 3; Length 107
22.6%; Pred. No. 0.54;
tive 33; Mismatches 103; Indels
                                                                                                                                                                                                                                                                                                                                                        374 -KVYVDD-------LKKAVELVILPRSIITESPPDO
                                                                                                                                                                                                                                                                                                                                                                                                                                        -QNÓPPPPPPPQNOESGEEQNEEEEQEDDKDEENEQQ 438
                                                                                                                                                                                                                                                                                                                                                                                                   234 LKDQGPPPSFLELMKVIREEEEEASFENESIEEPEER 271
    Pred. No. 0.19;
                         40; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :: || |:|:|:| ::
-----FIQRLSTLIRQAIE-RQLP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 22, Application US/08922635A; Patent No. 6033871
    23.0%;
                     64; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             65; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
Best Local Similarity
Matches 64; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 65; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 6
US-08-922-635-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-922-635-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                                          402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                     셤
                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                              ò
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
```

```
Sequence 6, Application US/08650766D

Patent No. 6015690

GENERAL INFORMATION:

APPLICANT: PILETZ, John E.

APPLICANT: PILETZ, John E.

TITLE OF INVENTION: METHOD FOR CLONING THE SAME

TITLE OF INVENTION: METHOD FOR CLONING THE SAME

FILE REFERENCE: Corrected Sequence Listing

Patent No. 6015690

CURRENT APPLICATION NUMBER: US 60/012,600

EARLIER APPLICATION NUMBER: US 60/012,600

EARLIER APPLICATION NUMBER: US 60/012,600

SARRIER PILNG DATE: 1996-03-01

SOFTWARE: PatentIN Ver. 2.0

SOFTWARE: PatentIN Ver. 2.0

SOFTWARE: PatentIN Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           503 QPIL------SNQGIMFVQEBALASSLSSTDSLTPEHQPIAQG-----CSDSLESI 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 548 PAGQAASDDLRDVPGAVGGASP----EHAEPEVQVVPGSGQIIFLPFTCIGYTATNQD- 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 GEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPP 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   602 -----FIQRLSTLIRQAIE-ROLP------AWIEAANQREEGQG 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    74 OPLIPMRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKE-WPVTEAEKKRWLAESIRG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30 EKEGQTVSGMFRAL-------GQEGVSPATVPCISPELLAHLLGQAMAHAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       444 EKELDTVE-VLKAIQKAKEVKSKLSNPEKKGGEDSRLSAAPČIRPSSSPPTVAPASASLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    132 PA-----LDLMHIVQADNPSISVEECLEAFKQVF---GSLESRRTAQVRYLKTYQEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     86; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241 PSFLELMKVIREEEEEASFENESIE----EPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6.7%; Score 98; DB 4; Length 1504;
22.6%; Pred. No. 0.91;
tive 33; Mismatches 103; Indels
DEPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Baugh, Mariah R.
APPLICANT: Baugh, Mariah R.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: Mammalian Imidazoline Receptor
FILE REFERENCE: PC-0006 US
CURRENT APPLICATION UNMBER: US/09/364,206
CURRENT FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PERL Program
SEQ ID NO 2
TOWNS OF TAMES OF T
```

g

원 ò 셤

ò

g

ò

ò

```
APPLICANT: PILETZ, John E.
APPLICANT: PILETZ, John E.
APPLICANT: IVANOY, TINA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND TITLE OF INVENTION: DATHOD FOR CLOWING THE SAME FILE REFRENCE: COLTECTED SEQUENCE Listing PATENT NO. 6576742
CURRENT APPLICATION NUMBER: US/09/389,487
CURRENT PILLING DATE: 1999-09-03
EARLIER APPLICATION NUMBER: US 08/650,766
EARLIER FILLING DATE: 1996-05-20
NUMBER OF SEQ ID NOS: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      44 GQEGVSPATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVW 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    104 LEQATEIVKE-WPVTEAEKKRWLAESLRG-PA-----LDLMHIVQADNPSISVEECL 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 LSSTDSLTPEHQPIAQG-----CSDSLESIPAGQAASDDLRDVPGAVGGASP----EHA 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               154 EAFKQVF---GSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETLLRKAVEKRAIPRRIAD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           211 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEASFENESIE---- 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               208 -------AMIEAANQREEGQGEGE---EDEEEEEEDVAENRYFEMGPP 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            69; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 6.7%; Score 97.5; DB 4; Length 651;
Best Local Similarity 23.0%; Pred. No. 0.29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59; Conservative 30; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Butler, Karlene
APPLICANT: Banedu, Omolayo O.
APPLICANT: Gutteridge, Steven
APPLICANT: Maxwell, Carl
APPLICANT: Maxwell, Carl
TILE OF INVENTION: Magnesium Chelatase
FILE REFERENCE: BB1370 US NA
CURRENT APPLICATION NUMBER: US/09/585,1738
CURRENT FILING DATE: 2000-06-01
PRIOR FILING DATE: 1999-06-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 51, Application US/09585173B; Patent No. 6570063; GENERAL INFORMATION:
                                                                                                                                     ; Sequence 6, Application US/09389487; Patent No. 6576742
249 DVEEEEGGGGGEEEEE 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : || :| |: | :: 249 DVEEEEGGGGGGEEEEEE 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         267 EPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 54
SOFTWARE: Microsoft Office 97
SEQ ID NO 51
LENGTH: 754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Pisum sativum
US-09-585-173B-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CRGANISM: Homo sapiens US-09-389-487-6
                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-585-173B-51
                                                                                                           US-09-389-487-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: PILETZ, John E.
APPLICANT: PILETZ, John E.
APPLICANT: PILETZ, John E.
APPLICANT: IVANOV, Tina R.
TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
TITLE OF INVENTION: AND POLYPEPTIDES ENCODED THEREBY
FILE REFERENCE: Corrected Sequence Listing
Patent No. 6031871
CURRENT APPLICATION NUMBER: US/08/922,635A
CURRENT FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 08/650,766
EARLIER PILING DATE: 1996-05-20
EARLIER FILING DATE: 1996-03-01
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                   161 EPEVQVVPGSGQIIFLPFTCIGYTATNQD------FIQRLSTLIRQAIE-RQLP---- 207
                                                                                                                                     GOEGVSPATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVW 103
                                                                                                                                                                                         61 GGEDSRLSAAPCIRPSSSPPTVAPASASLPQPIL-----SNQGIMFVQEEALASS 110
                                                                                                                                                                                                                                                                                                                                                              EAFKQVF---GSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETLLRKAVEKRAIPRRIAD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       211 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEASFENESIE---- 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----AWIEAANQREEGOGEGGEE---EDEEEEEEDVAENRYFEMGPP 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 GGEDSRLSAAPCIRPSSSPPTVAPASASLPQPIL-----SNQGIMFVQEEALASS 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            111 LSSTDSLTPEHQPIAQG-----CSDSLESIPAGQAASDDLRDVPGAVGGASP----EHA 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   154 EAFKQVF---GSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETLLRKAVEKRAIPRRIAD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   161 EPEVQVVPGSGQIIFLPFTCIGYTATNQD------FIQRLSTLIRQAIE-RQLP---- 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  211 QVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEEEEEASFENESIE---- 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ------AMIEAANQREEGQGEQGEE---EDEEEEBEBDVAENRYFEMGPP 248
                                                                                                                                                                                                                                             104 LEQATEIVKE-WPVTEAEKKRWLAESLRG-PA-----LDLMHIVQADNPSISVEECL 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44 GQEGVSPATVPCISPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVW 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        104 LEQATEIVKE-WPVTEAEKKRWLAESLRG-PA-----LDLMHIVQADNPSISVEECL 153
                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                 69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69;
                    Query Match 6.7%; Score 97.5; DB 3; Length 651; Best Local Similarity 23.0%; Pred. No. 0.29; Matches 59; Conservative 30; Mismatches 99; Indels 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6.7%; Score 97.5; DB 3; Length 651;
23.0%; Pred. No. 0.29;
tive 30; Mismatches 99; Indels 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5, Application US/08922635A Patent No. 6033871 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : || :| |: | 249 DVEEEEGGGGGEEEEE 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     267 EPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        59; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <del>:</del>
=
=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 59; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -08-922-635-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JS-08-922-635-5
                                                                                                                                                                                                                                                                                                                                                              154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
```

g

ò

g

ò

요

ò

g

ò

g ઠે 셤 g ò a ò

ઠે

```
700 KRTAADKDRGEEDADGSK-TQDLFRRVRSILNKLTPQMFQQLMKQVTQLAIDTEERLKGV 758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         460 EAAAATQVAVSVPKRRRKIKELNKKEAVGDLLDAFKEANPAVPEVENQPPAGSNPGPESE 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           89 GSAVPAPEEESFEVWLEQATEI-------VFEW-PVTEAEKKRWLAESLRG 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             580 FQF1FASMQKPEGLPH1SDVVLDKANKTPLRPLDPTRLQGINCGPDFTPSFANLGRTTLS 639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               164 ------ESRRTAQV----RYLKTYQEGGKVSAYVLRLETLLRKAVEKRAIP-- 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           640 TRGPPRGGPGGELPRGPQAGLGPRRSQQGPRKEPRKIIATVLMTEDIKLNKAEKAWKPSS 699
                                                                                                   Sequence 2, Application US/09264512B
Patent No. 6610508
GENERAL INFORMATION:
APPLICANT: Hentze, Matchias W.
APPLICANT: De Gregorio, Ennio
TITLE OF INVENTION: TRANSLATION DRIVER SYSTEM AND METHODS FOR USE THEREOF
FILLE REPRESENCE: 9882-004
CURRENT APPLICATION NUMBER: US/09/264,512B
NUMBER OF SEQ ID NOS: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 TPNQDTEFLERLNLFLEKEG-----QTVSGMFRALGQEGVSPATVPCISPELLAHLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  206 -RRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIRE---EBEE----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ---DNPSISVEECLEAFKQVFGSL----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6.4%; Score 94; DB 4; Length 1560;
22.0%; Pred. No. 2.5;
iive 40; Mismatches 121; Indels 130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Li, Sid-Jiang
APPLICANT: Li, Shi-Hua
APPLICANT: Li, Shi-Hua
APPLICANT: Sharp, Alan
APPLICANT: Lanahan, Anthony
APPLICANT: Worley, Paul
APPLICANT: Snyder, Solomon
TITLE OF INVENTION: Huntingtin-associated protein
FILE REFERENCE: 01107.52271
CURRENT APPLICATION NUMBER: US/08/556,419C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 25
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           132 -----PALDLMHIVQA------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          66 GQAMAHAPQPLLPMRYRKLRVFS----
1052 EVLKKLFPKVSVPSNLSYGEWLH 1074
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 14
US-08-556-419-25
'Sequence 25, Application US/08556419C
'Patent No. 6093549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      257 -EASFENESIEEP 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : || ::| ||
759 IDLIFE-KAISEP 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best_Local Similarity 22.0%
Matches 82; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ross, Christopher
                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             1560
                                                                         RESULT 13
US-09-264-512B-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-264-512B-2
                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FALCHILL NO. 1912/30:

APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

CURRENT APPLICATION NUMBER: US/09/949,016

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-10-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7561

LENGTH: 1307
                                                                         11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : : : | | | : :: : | | 277 NLSAD-LPMSFENRVEAVGIATEFQDNCGQVFKMVDEDTDNAKTQIILAREYLKDVTISK 335
                                                                                                                                                                                                                                                                                                                                                    336 EQLKYLVIEALRGGVQG--H--RAELYAARVAKCLAA-----LEGRE------KVYV 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                          :: |:||| :||| DD------QNQPPPPP 409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                881
                                                                                                                                                                  223 EGISNLLLNVLTEGVNI-----VEREGISFRHPCRPLLIATYNPDEGSVREHLLDRIAI 276
                                                                                                                                                                                                                    71 HAPQPLLPMRYRKLRVFSGSAVPAPEE-------ESFEVWLEQATEIVKEWPVTE 118
                                                                                                                                                                                                                                                                                                                    119 AEKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKOVFGSLESRRTAQVRYLKTYQ 178
                                                                                                                                                                                                                                                                                                                                                                                                                        EEGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQG 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92 VPAPEEESFEVWLEQATEIVKEWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSISVEE 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              882 OMNTMKAVLEEKEKDLANTGKWLQDLQEENESLKAHVQEVAQHNLKEASSASQFEELEIV 941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -----LRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQG-- 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ----PPPSFLELMKVIREEEEEASFENE-----SIEEPEERD----- 272
                                                                                                                     20 BFLERLNLFLEKEGQTVSGMFRALGQEGVS-----PATVPCISPE---LLAHLLGQAMA 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                70; Indels 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.4%; Score 94; DB 4; Length 1307;
llarity 18.3%; Pred. No. 1.9;
Conservative 37; Mismatches 70; Indels 10
                       DB 4; Length 754;
                                               ; Pred. No. 0.66; 42; Mismatches 97; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               152 CLEAFKOVFGSLESRRTAQVRYLKTYQEEGEKVSAYV--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           239 PPPSFLELMKVIREEEEEASFENESIEEPEER 271
                    6.5%; Score 95;
22.0%; Pred. No. (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -----GYGRWNH 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 7561, Application US/09949016
; Patent No. 6812339
                                                                    Conservative
                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 48; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-949-016-7561
                    Query Match
Best Local Simi
Matches 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 239
```

g

g

ઠ

ద

ò

δ

```
LENGTH: 1805 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                        54 PCISPELLAH--LLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIV 111
                                                                                                                                                                                                                                                                                 112 KEWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQV 171
                                                                                                                                                                                                                                                                                                            172 RYLKTY---QEEGEKVSAYVLRLETLLR-----KAVEKRAIPRRIADQVRLEQVMAG- 220
                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                              221 -ATLNOMLWCRLRELKDQGPPPSFLELMKVIREEEEEEASFENESIEEPEERDGY 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     183 QETLABELRTSLRRMISD--PVYFMERNYEMPRGDISSLRYDFRYSEDREQVRGF 235
                                                                                                                                                             57;
                                                                                                                   Length 331;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: McKay, Ronald D.G.
APPLICANT: Lendahl, Urban
TITLE OF INVENTION: Neetin Expression As An Indicator of
TITLE OF INVENTION: Neuroepithelial Tumors
NUMBER OF SEQUENCES:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                 Query Match 6.4%; Score 93.5; DB 3; Length 33 Best Local Similarity 22.6%; Pred. No. 0.27; Matches 53; Conservative 40; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/853,913
FILING DATE: 19920319
CLASSIFICATION: 435
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/660,412
FILING DATE: 22-FEB-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DAIRS:
PRIOR APPLICATION UNBER: US 07/603,803
FILING DATE: 25-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/201,762
FILING DATE: 02-JUN-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/180,548
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REFISENCE/DOCKET NUMBER: MIT-4641AAAA
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-07-853-913-2
; Sequence 2, Application US/07853913
; Patent No. 5338839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lexington
Massachusetts
              LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
                                                                             JS-08-556-419-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: I
STATE:
  SEQ ID NO 25
                                                                                                                                                                                                                                                                                                                         83
                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              용
```

```
830 EKVS-----QDSLGSLAEENVQPLRYLEE---DDCINKSLLEDKTHKSLGSLEDRNGDS 880
                                                                                                                                                                                                                                                                                                                                75 PLLPMRYRKLRVFSGSAVPAPEESFEVWLEQATEIVKEWPVTEAEK-----KRWLAE 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    182 EKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQG--- 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15 PNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPELLAHLLGQAMAHAPQ
                                                                                                                                                                                                                                                          | : : |||| :||| || :
664 PGAEDQMLERL----VEKEDQSFPRSPEEEDQEACRPLQKENQEPLGYEEAEGQILE----
                                                                                                                                                                                                                                                                                                                                                                                                                                         128 SLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEG-----
                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58;
                                                                                                          Query Match 6.4%; Score 93; DB 1; Length 1805; Best Local Similarity 22.8%; Pred. No. 4.1; Matches 68; Conservative 35; Mismatches 137; Indels 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Search completed: August 26, 2005, 16:50:25 Job time : 22.3397 secs
TOPOLOGY: linear

MOLECULE TYPE: protein

US-07-853-913-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               239
```

```
August 26, 2005, 16:45:49; Search time 75.1875 Seconds (without alignments) 1478.945 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                          1 VQGKGGVWKVIFKTPNQDTE.....SIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_MEW_PUB_pep:*
4: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
20: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
21: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
22: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1767149
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1767149 seqs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                          OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                         BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                               US-10-037-860-11
1462
                                                                                                                                                                                                                                                                                                                  Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database
                                                                                                                                                                                     Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Description	Sequence 11, Appl	Sequence 3, Appli	Sequence 9, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 13, Appl	Sequence 2385, Ap	Sequence 1, Appli	Sequence 16, Appl	Sequence 1, Appli
ΩI	3 US-10-037-860-11	US-10-504-329-3	US-10-037-860-9	US-09-965-529-7	US-09-969-680A-7	US-11-048-692-7	US-10-037-860-13	US-10-408-765A-2385	US-09-965-529-1	US-09-804-014A-16	US-09-969-680A-1
DB	13	17	13	0	10	20	13	16	0	10	10
Length	283	364	149	353	353	353	463	452	351	351	351
% Query Match Length DB ID	100.0	99.8	51.6	43.0	43.0	43.0	42.3	40.8	40.8	40.8	40.8
Score	1462	1459	755	628	628	628	618.5	597	596.5	596.5	596.5
Result No.	1	7	m	4	2	9	7	80	6	10	11

equence 1 equence 7 equence 4 equence 4	64,689,49	equence 337, equence 41, equence 299, equence 355, equence 355, equence 686,	197, 57, 6794 2125 2599	12016 60655 34645, 4172, 8204, 33486
-10-341-434- -11-048-692- -10-037-860- -10-037-860- -09-804-014A	US-09-804-014A-73 US-09-804-014A-74 US-10-094-749-1978 US-10-094-466-38 US-10-959-539-26 US-10-296-115-1208 US-09-804-014A-42		-10-158-057-197 -10-408-765A-224 -10-205-331-57 -10-282-122A-679 -10-723-860-2125 -10-723-860-2599	US-10-732-923-12016 US-10-282-122A-60655 US-09-864-761-34645 US-09-764-891-4172 US-10-128-714-8204 US-10-425-115-334864
15 20 13 10 10	10 115 115 115 115	40111111111111111111111111111111111111	100 100 100 100 100 100 100 100 100 100	71 01 10 10 10 10
351 351 195 329 318	312 312 399 403 402 120	204 120 538 2383 2383 584 584 626	1035 1459 1459 758 758 525 544 544	614 879 116 225 788 339
0.00 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	37.6 32.6 32.6 226.9 25.0 14.0	10.7 8.4 8.0 7.7 7.6 7.3	2.7.7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	0.77.00.00
596.5 596.5 593 564 562.5 560	550 475.5 475.5 394 380.5 215	156.5 123 117 110.5 110.5 110.5 107	107 107 106 105.5 104.5 103	102.5 102.5 102 102 101.5
12 13 14 15 16	118 20 22 23 24	25 26 27 28 30 31 32		ል 4 4 4 4 4 ዕ ዛ ሪነ የሪ 4 ቢ

## ALIGNMENTS

	Gaps 0;	PEL 60      PEL 60	EAE 120       EAE 120
	Length 283; ndels 0; Ga	VSPATVPCIS	TEIVKEWPVI           TEIVKEWPVI
NT I -Ma	н	VQGKGGVWKVIFKTENQDTEFLERLNLFLEKEGQTVSGWFRALGQEGVSPATVPCISPEL 	LAHLIGOAMAHAPOPLILPMRYRKIRVPSGSAVPAPEEESFBWILEQATEIVKEWPVTEAE 
IDES AND A 860 4.0	DB 1e-1	FLEKEGQTVS          FLEKEGQTVS	SGSAVPAPEE                  SGSAVPAPEE
GENERAL INCOMENTATION OF THE PROPERTY OF THE PRICE OF THE PROPERTY OF THE OF INVENTION: MAY THOUSE OF THE OF THOUSE OF THE OF THOUSE OF THE OF THOUSE OF THOUSE OF THOUSE OF THE OF THOUSE O		OTEPLERLNL 	PMRYRKLRVF             PMRYRKLRVF
ation US/1003 020123114A1  B. Posner C. Dalmau R. Rosenfeld Ma FAMILY P. ANTIBODIES B1.1004-004 N NUMBER: US/E: 2001-01-0 OS: 14 for Windows V	100.0%; larity 100.0%; Conservative	WKVIFKTPNQ             WKVIFKTPNQ	AMAHAPQPLL            AMAHAPQPLL
-10-037-860-11 Sequence 11, Application US/10037860 Bubblication No. US20020123114A1 GENERAL INFORMATION: APPLICANT: Jerome B. Posner APPLICANT: Josep O. Dalmau APPLICANT: Josep O. Dalmau APPLICANT: Myrna R. Rosenfeld TITLE OF INVENTION: Ma FAMILY POLYPE TITLE OF INVENTION: ANTIBODIES TITLE OF INVENTION NUMBER: US/10/03 CURRENT APPLICATION NUMBER: 09/189,527 PRIOR FILING DATE: 1998-11-10 NUMBER OF SEQ ID NOS: 14 SOFTWARE: FastSEQ for Windows Versio SEQ ID NO 11 LENGTH: 283 TYPE: PRT ORGANISM: home sapiens	Simi 3;	1 VQGKGGV         1 VQGKGGV	61 LAHLLGO          61 LAHLLGQ
US-10-037-860-11, A Sequence 11, A Publication No GENERAL INFORM APPLICANT: Je APPLICANTE OURRENT FILING CURRENT FILING CURRENT FILING NUMBER OF SEQ	Query Match Best Local Matches 28	Sy qa	Qy Db

```
Matches 147; Conservative
                                                     TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                Query Match
Best Local Similarity
                                                                                          US-10-037-860-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-965-529-7
                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                              ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                         ð
                     KKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEE 180
                                                                                            KKRWIAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEE 180
                                                                         GEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPP 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LAHLIGQAMAHAPQPLILPMRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           142 LAHLIGQAMAHAPQPILPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAE 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPP 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GEKVSAYVIRLETLIRRAVEKRAI PRRIADQVRLEQVWAGATLNQMLWCRLRELKDQGPP 321
KKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEE 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              202 KKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEE 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    82 VQCKGCVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                      APPLICANT: Evotec NeuroSciences GmbH
TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeuronal
TITLE OF INVENTION: antigens for neurodegenerative diseases
FILE REPERBNCE: 030475wo MS/BM
CURRENT APPLICATION NUMBER: US/10/504,329
CURRENT FILING DATE: 2004-08-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1459; DB 17; Length 364;
Pred. No. 8e-120;
1; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PSFLELMKVIREEEEEEASFENESIEEPEERDGYGRWNHEGDD 364
                                                                                                                                                                      PSFLELMKVIREEEEEEASFENESIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241 PSFLELMKVIREEEEEASFENESIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                  241 PSFLELMKVIREEEEEASFENESIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9, Application US/10037860
; Publication No. US2020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT APPLICATION NUMBER: 09/189,527
; PRIOR APPLICATION NUMBER: 09/189,527
                                                                                                                                                                                                                                                                                ; Sequence 3, Application US/10504329; Publication No. US20050106569A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 99.6
Matches 282, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
US-10-504-329-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -10-037-860-9
                                                                                                                                                                                                                                                                 US-10-504-329-3
                                   121
                                                                                                                                                                                     241
                                                                         181
                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                322
121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                           g
                                                                                                  d
                                                                                                                                      à
                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
120
                                                                                                                                                                                                                                                                                                                 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83 GKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVARVLGFQNPTPTP----GPEMPA 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               258
                                                                                                                                                                                                                                                                                                                                                                                                                          195 LRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGPPPSFLELMKVIREEE 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     63 HLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 182 EKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQ 237
                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         135 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                     1 DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPYQEEGEKVSAYVLRLETL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 GKGGVWKVIFKTPNODTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPELLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           122 KRWIAESLRGPALDIMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEG
                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/19,641; 60/164,203; PCT/US00/22315 PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14 NUMBER OF SEQ ID NOS: 74 SOFTWARE: PERL Program SEQ ID NO 7 LENGTH: 353
                                                                                                                                                                                                              Length 149;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
43.0%; Score 628; DB 9; Length 353;
Best Local Similarity 47.9%; Pred. No. 1.1e-46;
Matches 128; Conservative 52; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7
                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry
APPLICANT: TANG, Y: Tom
APPLICANT: BANDMAN, Olga
APPLICANT: BURPORD, Neil
APPLICANT: BURPORD, Neil
APPLICANT: AZIMZAI, Yalda
APPLICANT: LU, Dyung Aina M.
APPLICANT: LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731 USA
CURRENT APPLICATION NUMBER: US/09/965,529
CURRENT FILING DATE: 2001-09-26
                                                                                                                                                                                                           51.6%; Score 755; DB 13; 98.7%; Pred. No. 2.3e-58;
                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  255 EEEASFENESIEEPEERDGYGRWNHEGDD 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 EEEASFENESIEEPEERDGYGRWNHEGDD 149
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/09965529; Publication No. US20020182671A1; GENERAL INFORMATION:
```

ઠે

```
63 HLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             122 KRWLAESLRGPALDLMHIVQADNPSISVBECLEAFKQVFGSLESRRTAQVRYLKTYQEEG 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQ 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GKGGVWKVIFKTPNODTEFLERLNLFLEKEGOTVSGMFRALGOEGVSPATVPCISPELLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42.3%; Score 618.5; DB 13; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Josep O. Dalmau
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE CAPTION: MYRNATION: MR FAMILY POLYPEPTIDES AND ANTI-MA
TITLE OF INVENTION: ANTIBODIES
TILE REFERENCE: 2581.1004.004
CURRENT APPLICATION NUMBER: US/10/037,860 .
CURRENT FILING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: 09/189,527
FRIOR APPLICATION NUMBER: 09/189,527
FRIOR APPLICATION NUMBER: 09/189,527
FRIOR APPLICATION NUMBER: 09/189,527
FRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 13
LENGTH: 463
                    TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS;
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS;
FILE REFERENCE: PF-0731-1 USA;
CURRENT APPLICATION UNDRER: US/11/048,692
CURRENT FLING DATE: 2005-02-02
PRIOR APPLICATION NUMBER: US/09/969,680
PRIOR APPLICATION NUMBER: US/09/2315
PRIOR FILING DATE: 2001-10-02
PRIOR FILING DATE: 1999-08-14
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-18-17
PRIOR FILING DATE: 1999-18-17
PRIOR FILING DATE: 1999-18-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE PERL PROGram
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 43.0%; Score 628; DB 20; Best Local Similarity 47.9%; Pred. No. 1.1e-46; Matches 128; Conservative 52; Mismatches 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: 2483172CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                238 GPPPSFLELMKVIREEEEEASFENES 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               316 GPAPNLFOLLVOIREEEAKEEEEEAEA 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 13, Application US/10037860 Publication No. US20020123114A1 GENERAL INFORMATION:
        PATTERSON, Chandra
                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 353
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-037-860-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ||:|||||:||| ||: ||| || ||: :: || ||||:||| EKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAGANHSGAIRRQLML---TGAGE 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       83 GKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDVARVLGFQNPTPTP----GPEMPA 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                63 HLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  122 KRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEG 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVWAGA----TLNQMLWCRLRELKDQ 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GKGGVWKVIFKTPNQDTEFLERLNLFLEKGQTVSGMFRALGQEGVSPATVPCISPELLA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
43.0%; Score 628; DB 10; Length 353;
Best Local Similarity 47.9%; Pred. No. 1.1e-46;
Matches 128; Conservative 52; Mismatches 75; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: LAL.

APPLICANT: LAL.

APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BURFORD, Neil; LAZIMZAI, Yalda
APPLICANT: BAUGHN, MATICAN, LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REPERBENCE: PF-0731-1 USA
CURRENT PILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US/09/969,680A
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17

PRIOR FILING DATE: 1999-08-17

PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74

SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: TANG, Y. Tom; BANDWAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
                                                                                238 GPPPSFLELMKVIREEEEEASFENES 264
                                                                                                                     || |: :|: ||||| :|
316 GPAPNLFQLLVQIREEEAKEEEEAEA 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  238 GPPPSFLELMKVIREEEEEEASFENES 264
                                                                                                                                                                                                                                                                           ; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
US-11-048-692-7
; Sequence 7, Application US/11048692
; Dublication No. US20050123990A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
                                                                                                                                                                                                                       RESULT 5
US-09-969-680A-7
                               259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT
```

셤

ò

셤 ઠે 셤 8 엄 ò

12; Gaps

Length 353; Indels

```
316 DGPAPGFLQLLVLIKDYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 16, Application US/09804014A Publication No. US20030064489A1 GENERAL INFORMATION:
                                                                                                               Sequence 1, Application US/09965529
Publication No. US20020182671A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
                                                                                                                                                                                                                APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry
APPLICANT: TANG, Y. TOM
APPLICANT: BANDMAN, Olga
APPLICANT: BURFORD, Neil
APPLICANT: AZIMZAI, Yalda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 128; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                           142 WT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAFDAWLEHTTEMLQMWQVPEG 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            260 AGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSGATLPDKLRDKLKLKKKK 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 56 I-SPELLAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEW 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PVTEAEKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYL 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :| : | | | | | : : | | | | | : : | | | : : | | : : | : | : | | : | : | | : | | : | | | : | | | | : | | | : | | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | | : | : | | : | : | | : | : | | : | | : | : | | : | : | | : | | : | : | | : | : | | : | : | : | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
                                                                                                                                                                                                                                                                61 LAHLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119
                                                                                                                                                                                                                                                                                                                                                                                                          EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180 EGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGP 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KTYQEEGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLREL 234
                                                                                                                                                                                      82 IPGKGGPWEVIVKPRNSDGEFINRLNRFLEBERRTVSDMNRVLGSDTNCSAPRVTISPEF 141
                                                                                                               VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALG----QEGVSPATVPC
                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ghosh, Soumitra S.
APPLICANT: Faby, Boin D.
APPLICANT: Tabray, Bing
APPLICANT: Tabray, Bing
APPLICANT: Taylor, Steven W.
APPLICANT: Taylor, Steven W.
APPLICANT: Taylor, Steven W.
APPLICANT: Taylor, Bale B.
TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
FILE REFERENCE: 660081465
CURRENT APPLICANTION NUMBER: US/10/408,765A
CURRENT FILING DATE: 2003-04-04
NUMBER OF SEQ ID NOS: 3077
SOFTWARE PASISEQ FOR Windows Version 4.0
                                                2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      40.8%; Score 597; DB 16; Length 452; 46.3%; Pred. No. 8.5e-44; cive 48; Mismatches 79; Indels 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 235 KDQGPPPSFLELMKVIREEEE---EEASFENESIEEPEERDGYGR 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       314 DQRGCPPNFLELMKLIRDEEEWENTEAVMKNK----EKPSGRGR 353
Pred. No. 1.1e-45;
4: Mismatches 85; Indels
                                            44; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240 PPSFLELMKVIREEEEEASF -- ENESIE 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 2385, Application US/10408765A; Publication No. US20040101874A1; GENERAL INFORMATION:
           50.2%;
       Best Local Similarity 50.2%
Matches 135; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 132; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-408-765A-2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-408-765A-2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            원
                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
```

61 LAHLLGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119 261 DEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVIAGAVHKTIRREL-----NLPE 315 120 EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE 179 180 EGEKVSAYVLRLETLLRKAVEKRAIPRRIADOVRLEQVMAGA---TLNOMLWCRLRELKD 236 1 VQCKGCVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Fernandes, Elma
APPLICANT: Shinkets, Richard
APPLICANT: Spaderna, Stewnd
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REPRENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2002-04-24 13; Gaps APPLICANT: LU, Dyung Aina M.;
APPLICANT: LU, Dyung Aina M.;
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS;
FILE REFERENCE: P-0731 USA;
CURRENT APPLICATION NUMBER: US/09/965,529
CURRENT FILING DATE: 2001-09-26
PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 351
TYPE: ... Length 351; ; NAME/KEY: misc feature ; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1 US-09-965-529-1 Indels 40.8%; Score 596.5; DB 9; 48.3%; Pred. No. 6.7e-44; tive 49; Mismatches 75;

Ŋ

9

Gaps

13;

```
61 LAHLIGOAMAHAPOPLIP-MRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119
                                                                                                                                                                                                                                                                                                                                                                       120 EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 LAHLLIGOAMAHAPOPILIP-MRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120 EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      201 EKRRELESLRGPALDVIRVLKINNPLITVDECLQALEEVFGVTDNPRELQVKYLTTYQK 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180 EGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCRLRELKD 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         261 DEEKLSAYVLRLEPILLOKLVORGAIERDAVNQARLDQVIAGAVHKTIRREL-----NLPE 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10, Application US/10341434
; Sequence 10, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
   APPLICANT: Origener Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; TILE REFERENCE: 9U 204 205 R1
; CURRENT APPLICATION NUMBER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIOR FILING DATE: 2003-07-18
; PRIOR FILING DATE: 2002-01-15
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  40.8%; Score 596.5; DB 15; Length 351;
48.3%; Pred. No. 6.7e-44;
iive 49; Mismatches 75; Indels 13;
                                                                                 DB 10; Length 351;
            ; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
US-09-969-680A-1
                                                                                                                              Indels
                                                                               Query Match 40.8%; Score 596.5; DB 10; Best Local Similarity 48.3%; Pred. No. 6.7e-44; Matches 128; Conservative 49; Mismatches 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          316 DGPAPGFLQLLVLIKDYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  316 DGPAPGFLQLLVLIKDYEAAEEEEA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 237 QGPPPSFLELMKVIRE --- EEEEEA 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OGPPPSFLELMKVIRE --- EEEEEA 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 48.3*
Matches 128; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-341-434-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-341-434-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 LAHLIGQAMAHAPQPILIP-MRYRKIRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              120 EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKOVFGSLESRRTAQVRYLKTYQE 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           180 EGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCRLRELKD 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       40.8%; Score 596.5; DB 10; 48.3%; Pred. No. 6.7e-44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: LAL, Preet;; YUE, Henry
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, MATIAH R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRARE ASSOCIATED PROTEINS
FILE REFERENCE: PP-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680A
CURRENT PILING DATE: 2001-10-02
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-18-17
PRIOR PILING DATE: 1999-18-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE PERL PROGram
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      49; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         237 QGPPPSFLELMKVIRE---EEEEEA 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-17
PRIOR FILING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/09969680A Publication No. US20030124649A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 128; Conservative
                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE: NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 11
US-09-969-680A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
```

```
US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                               US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        82 IPGKGGIWRVIFKPPDPDNTFLSRLNBFLAGEGMTVGELSRALGHENGSLDPEQGMIPEM 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 LAHLLGQAMAHAPQPLLP-MRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EKKRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQE 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EGEKVSAYVLRLETLLRKAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCRLRELKD 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 VQCKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
40.8%; Score 596.5; DB 20; Length
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: ANTIBODIES
; TITLE OF INVENTION: ANTIBODIES
; TITLE OF INVENTION: AUTIBODIES
; CURRENT APPLICATION INWHER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
Sequence 1, Application US/11048692
Publication No US20050123990A1
GENERAL INCOMATION:
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Nell; AZIMZAI, Yalda
APPLICANT: BURFORD, Nell; AZIMZAI, Yalda
APPLICANT: BATGHN, MATIAR N.; LU, Dyung Aina M.; APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680
PRIOR PLING DATE: 2005-02-02
PRIOR PLING DATE: 2001-10-02
PRIOR FILING DATE: 2000-0214
PRIOR FILING DATE: 2009-06-14
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         237 QGPPPSFLELMKVIRE---EEEEEA 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-037-860-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       316
                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                            140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63 HLLGQAMAHAPQPLL-PMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  122 KRWLAESLRGPALDLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEG 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             182 EKVSAYVLRLETILIRKAVEKRAIPRRIADQVRLEQVMAGA----TLNQMLWCRLRELKDQ 237
                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                62
                                                                                                                                                                                                                                                                                                                                                           81 VQCKGGVWKVIFKTPNQDTBFLERLNLFLEKEGQTVSGWFRALGQEALSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                               1 VQGKGGVWKVIFKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 GKGGVWKVIFKTPNODTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPELLA
                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 LAHLLGQAMAHAPQPLLPMRYRKLRVFSGSAVPAPEEESFEVWLEQATEIVKEWP 115
                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   38.6%; Score 564; DB 13; Length 329; 47.0%; Pred. No. 4.4e-41; tive 47; Mismatches 73; Indels 1
                                                                                                                                                                                                                                       Length 195;
                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4, Application US/10037860
; Sequence 7, Application US/20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Jerome B. Posner
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT APPLICATION NUMBER: 09/189,527
; PRIOR APPLICATION NUMBER: 09/189,527
                                                                                                                                                                                                                                       Score 593; DB 13;
Pred. No. 6.1e-44;
                                                                                                                                                                                                                                                                                  1; Mismatches
PRIOR APPLICATION NUMBER: 09/189,527
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7
LENGTH: 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Search completed: August 26, 2005, 17:21:28 Job time : 76.1875 secs
                                                                                                                                                                                                                                         Query Match
Best Local Similarity 98.3%;
Matches 113; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 47.0%
Matches 117; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     238 GPPPSFLEL 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                316 GPGPKPĽSV 324
                                                                                                                                                               , ORGANISM: homo sapiens
US-10-037-860-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: homo sapiens
```

This Page Blank (uspto)

```
GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
                Copyright
```

OM protein - protein search, using sw model

August 26, 2005, 16:35:24; Search time 34.9126 Seconds (without alignments) 989.972 Million cell updates/sec Run on:

US-10-037-860-13
2423
1 MPLTLLQDWCRGEHLNTRRC.....VESGNGNWAWDKSHPKSKAK 463 Title: Perfect score:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table: Sequence:

513545 segs, 74649064 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

1: /cgn2\_6/ptodata/1/iaa/5A COMB.pep:\*
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep:\*
5: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep:\*
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*
6: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\* Issued Patents AA:\* Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		æ			SUMMARIES		
Result No.	Score	Query Match	Length	DB	ΙD	Description	
-	2394	98.8	462	М	US-09-189-527-13	Sequence 13, Appl	
8	766.5	31.6		m	US-09-189-527-4	4	
m	462.5	19.1	195	n	US-09-189-527-7		
4	122	5.0	2293	m	US-09-368-590-2	7	
5	113	4.7	706	4	-09-949-	86.	
9	110.5	4.6		4	- 1	20182,	
7	110	4.5	373	4		53,	
60	110	4.5	384	4	US-09-949-016-11663	1166	
σ	110	4.5		4	US-09-252-991A-32743	3274	
10	104.5	4.3	499	4	US-09-902-540-14780	1478	
11	104	4.3	312	4	US-09-902-540-11866	1186	
12	104	4.3	383	4	-039		
13	104	4.3	2600	4	-949-	7309,	
14	103	4.3		4			
15	101.5	4.2		4	US-09-252-991A-32259	32259,	
16	101	4.2	550	4	US-09-538-092-1259		
17	101	4.2		4		22036,	
18	100	4.1	363	4	US-09-252-991A-26726	Sequence 26726, A	
19	100	4.1		4	US-09-252-991A-22549		
20	99.5	4.1	-	4	US-09-555-554-2		
21	66	4.1		4	US-09-949-016-8026	805	
22	66	4.1	3	Н			
23	66	4.1	639	ч	US-08-470-950-2	ς,	
24	66	4.1	3	ч	US-08-467-781-2	7	
25	66	4.1	639	Н	US-08-195-487-2	7	
56	66	4.1	3	0	US-08-483-924-2	7	
27	66	4.1	639	Ŋ	PCT-US93-06160-2	Sequence 2, Appli	

	284	Sequence 4, Appli Sequence 26482, A Sequence 3291, Ap	30867,	Sequence 2, Appli Sequence 31502, A	Sequence 24973, A Sequence 20455, A	Sequence 5, Appli Sequence 2, Appli	Sequence 17953, A Sequence 28918, A
US-09-489-039A-12568 US-09-252-991A-23346	US-09-502-540-13635 US-09-252-991A-28446 US-08-841-349-4	US-09-431-184A-4 US-09-252-991A-26482 US-09-583-110-3291	US-09-252-991A-30867 US-09-107-433-3227	US-07-945-283-2 US-09-252-991A-31502	US-09-252-991A-24973 US-09-252-991A-20455	US-09-913-301-5 US-09-913-301-2	US-09-252-991A-17953 US-09-252-991A-28918
444	440	4 4 4	4 4	П 4	4 4	4 4	44
733	2154	2154 181 524	541 545	1958 2108	406 771	773	849 920
44.	444	444	4.4	4.0	4 4 0 0	4 4 0 0	4 <b>4</b> 0 0
98.5	97.5	۲۰. 97 97	97	97 76	96.5 96.5	96.5 96.5	96.5 96.5
7 7 7 7 7 7	2 H O C	2 G G	36 37	38 38	4 0 1 1	4 4 4 3	4 4 5 4

•	
-	
~	
4	
1	
-	
۲,	
Ħ	
9	
4	
3	
-	
٠,	

US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfield
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REPERENCE: SLK98-01
; CURRENT APPLICATION VANEER: US/09/189,527A
; CURRENT FILING DATE: 1999-11-10
; NOWIMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 3.0
; LENGTH: 462 , ORGANISM: homo sapiens US-09-189-527-13

ö Query Match 98.8%; Score 2394; DB 3; Length 462; Best Local Similarity 100.0%; Pred. No. 4.9e-247; Matches 457; Conservative 0; Mismatches 0; Indels

ö

DINCSAPRVIISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAFDAWLEH 186 246 181 TIEMLOMWOVPEGEKRRRLMECLRGPALOVVSGLRASNASITVEECLAALOOVFGPVESH 240 241 KIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSGATLPDK 300 67 LELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDMNRVLGS 126 306 9 7 QDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREENAQAIL 1 QDWCRGEHLMTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREENAQAIL 187 TTEMLOMWQVPEGEKRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVFGPVESH 247 KIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSGATLPDK 127 셤 ò 8 ò g ઠે ò g g

301 LRDKLKLMKQRRKPPGFLALVKLLREEEEWEATLGPDRESLEGLEVAPRPPARITGVGAV 360 307 LRDKLKLMKORRKPPGFLALVKLLREEEEWEATLGPDRESLEGLEVAPRPPARITGVGAV 366 유 ઠે

367 PLPASGNSFDARPSQGYRRRRGRQHRRGGVARAGSRGSRKRKRHTFCYSCGEDGHIRVQ 426

```
180 FDAWLEHTTEMLOMW 194
                                                                                                                                                                                                                                                                                                                                                       |: ||| ||::|
180 FEVWLEQATEIVKEW 194
                              TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 2
LENGTH: 2293
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-368-590-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-368-590-2
               LENGTH: 195
                                                             US-09-189-527-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                209
   SEQ ID NO 7
                                                                                                                                                                                 셤
                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                      임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DAWLEHTTEMLOMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MAMTILIEDWCKGMDVNSQRTILIVWGIPVNCDEAEIEETLQAAMPQVS-YRMLGRMFWREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
;
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 3; Length 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                           31.6%; Score 766.5; DB 3; Length 50.2%; Pred. No. 4.1e-73; ive 50; Mismatches 103; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/09189527A

Patent No. 6387639

GENERAL INPORMATION:
APPLICANT: Jonep O. Dalmau

APPLICANT: Jonep O. Dalmau

APPLICANT: Myrna R. Rosenfeld

TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

TITLE OF INVENTION: Antibodies

FILE REFERENCE: SLK98-01

CURRENT FILING DATE: 1998-11-10

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                               APPLICANT: Jerome B. Posner
APPLICANT: Josep O. Dalmau
APPLICANT: Josep O. Dalmau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
                                                               CINPSNLLLVKOKKOAAVESGNGNWAWDKSHPKSKAK 457
                                               CINPSNLLLVKQKKQAAVESGNGNWAWDKSHPKSKAK 463
                                                                                                                                                                                                                                                                                                                                     FastSEQ for Windows Version 3.0
                                                                                                                                                 ; Sequence 4, Application US/09189527A; Patent No. 6387639; GENERAL INFORMATION; APPLICANT: Jerome B. Posner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301 ATLPDKLRDKLKL 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ANHSGAIRRQLWL 310
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 50.24
Matches 157; Conservative
                                                                                                                                                                                                                                                                                                                                                                LENGTH: 329
TYPE: PRT
CRGANISM: homo sapiens
US-09-189-527-4
                                                                                                                        RESULT 2
US-09-189-527-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-189-527-7
                                                                          421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    178
               361
                                             427
                                                                                                                                                                                                                                                                                                                                    SOFTWARE:
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           298
               셤
                                                                          원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

```
2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120
                                                                                                                                                                                                                                                                                                                                                   787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             900 OLFLRDLRQALVVLRNQEMALSGAELPGTVESVEEALKOHRDFLTTMELSQQKMQVAVQA 959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    260 A-----GEKVSSFVLRLEPLLQRAVENNVVSRRNV----NQTRLKRVLS----G 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301 ATLPDKL------RDKLKLMKQRRKPPGFLALVKLLREEEEWEATL---GPDRESLE- 348
                                                                                                                                                                                                             62 AQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDMN 121
                                                                                                                                                                                                                                                                                                                       122 RVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALA 179
                                                                                                                                                           9
                                                                                                            5
                                                                                                                                                                                                                                            ---LRG--PALOVVSG--LRASNASI--TVEECLAALQQVFGPVESHKIAQVKLCKAYQE
                                                                                                      2 PLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREEN
                                                                                                                                        1 PLALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIFRKQEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60 ENAQAILLELAQDIDYALLPREIPGK------GGPWEVIVKPRNSDGEFL---NR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        733 EPRÓAALLEEA----ALLAERFPAQAAXLHQGAEELGAEWGALASAAQACGEAVAAAGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             106 LNRFLEEERRTVSDMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRE--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    164 -LRVFSGN--TISIPGA----LAFDAWLEHTT----EMLOMWOVPEGEKRRLMEC---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98;
                                                       <u>ښ</u>
Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 5.0%; Score 122; DB 3; Length 2293; Best Local Similarity 25.1%; Pred. No. 0.0096; Matches 100; Conservative 57; Mismatches 144; Indels 9:
                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Solimena, Michele
TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
TITLE OF INVENTION: AUTOANTICENS OF AUTOIMMUNE DISEASES
TITLE REFERENCE: 101918-200 (OCR-941)
CURRENT APPLICATION NUMBER: US/09/368,590
CURRENT FILING DATE: 1999-08-04
EARLIER APPLICATION NUMBER: 60/095,657
EARLIER PELING DATE: 1998-08-07
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FASTSEQ for Windows Version 3.0
                                                       65;
  DB 3;
Query Match 19.1%; Score 462.5; DB 3 Best Local Similarity 47.7%; Pred. No. 5.9e-41; Matches 93; Conservative 34; Mismatches 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/09368590; Patent No. 6187563; GENERAL INFORMATION:
```

1

75;

256

348

```
123 HRPALRDPRHRRLPP---AVPRRDLRPDHGOPRAGPARRGLRRGHRGGLRAARFRLHFPA 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ----YQEA-----GEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSGATLPDK 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              68 PPAQPYHSSHRPHRGRPALPAALRADPRLRRGSRGR--SQRRPCPTRRQ---AEAAFDDR 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180 HRRDLOHSLRLAGVPAPERHAERAFGAGOPRLPAPGOPGGAAGSLAVRRSORPGNGLHRR 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      80 VQF-VLRRTGPSLAGRPSSDSCPPPERCLIRASLPVKPRAALG------CEPRKTL 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   73 IDYALLPREIPGKGG------PWE-----VIVKPRNSDGEFLNRLNRFLEEERRTV 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          118 SDMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16 CLGGP----VDGHPAKHASLRLRGGNRKLHRGVPAAQHHH----RLCFAGGGQPRDAPAH 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 53, Application US/09919497
; Sequence 53, Application US/09919497
; Patent No. 6773883
; GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER
TITLE REFERENCE: B0801/7225
; CURRENT PAPLICATION NUMBER: US/09/919,497
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221,735
; PRIOR FILING DATE: 2000-07-31
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.0
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 373
; TYPE: PRT

CORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 VVCGVSEQTTCQEVVIALAQAIGQTGRFVLVQRLREKERQLLPQECPVGAQATCGQFASD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ------GLEVAPRPPARITGVGAVPLPASGNSFDARPSQGYRR--RRGRGQHRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22 LILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE------NAQAILLELAQD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 4.5%; Score 110; DB 4; Length 373;
Best Local Similarity 24.2%; Pred. No. 0.0092;
Matches 97; Conservative 49; Mismatches 144; Indels 110; Gaps
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR PILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 20182
LENGTH: 341
                                                                                                                                                                                                                                                                                                                                                                                                       Length 341;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         208 CLRGPALQVVSGLRASNASITVEECLAALQQVFGPVESHKIAQVKLCKA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  307 LRDKLKLMKORRKPPGFLALVKLLREEEEWEATLGPDRESLE-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                 4.6%; Score 110.5; DB 4;
24.3%; Pred. No. 0.007;
live 22; Mismatches 109;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                395 ----GGVARAGSRGSRKRKRHTFCYSCGEDGH 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240 LAVPGOCRRRHDRGNPLRTGHR--HPAGVFGH 269
                                                                                                                                                                                                                                                                                                                        ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 24.3%
Matches 66; Conservative
                                                                                                                                                                                                                                                                                                                                                 US-09-252-991A-20182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-919-497-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-919-497-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            349
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               පු
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                       Sequence 8626, Application US/09949016

Patent No. 6812339

Patent No. 6812339

GENERAL INFORMATION:

APPLICATION:

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

CURRENT FILING DATE: 2000-00-01-14

PRIOR PELICATION NUMBER: 60/211,768

PRIOR PELING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/231,768

PRIOR PLING DATE: 2000-10-03

PRIOR PLING DATE: 2000-10-03

PRIOR PLING DATE: 2000-00-05

PRIOR PELING DATE: 2000-00-05

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FESTERED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20182, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
--HMPCLGHTFNAGIQQAFQLPKL--GALLSRCRKLVEYFQQSAVAMYMLYEKQKQQNVA 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | | | | : ::|
EWATIEG-----LVELLQ-PFKQVAEMLSASRYPTISMVKPLLHMLLNTTLNIKE---- 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      237 QOVFGPVESHKIAQVK-----LCKAYQEAGE-----KVSSFVLRLEPLLQR----AVE 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PREIPGKG-----GPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDMNRVLGSDTNCS-A 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          133 PRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAFDAWLEHTTEMLQ 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  193 MWQVPEGEKRRLMECLRGPALQVVSGLRAS-------NASITVEECLAAL 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    281 NNVVSRRNVNOTR--LKRVLSGATLPDKLRDKL-----KLMKQRRKPPGFL---A 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         502 ROOVENRVVEEAKGLLDKVKOGGYRP--AEDKIFPVPEEPPVKKLMRTSTPPPASVINNM 559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREENAQAILLELAQDIDYALL 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 4.7%; Score 113; DB 4; Length 706;
Best Local Similarity 21.4%; Pred. No. 0.013;
Matches 84; Conservative 57; Mismatches 150; Indels 102; Gaps
                                                                                                                  1074 RTGGLRAEEAGRDPPVLGGAGEHHPGPRHGSSL--RPSK 1110
                                                                                 ---GL--EVAPRPPARITGVGA-VPLPASGNSFDARPSQ 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     326 LVKL-----LREEEEWEATLGPDRESLEGLEV 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 6
US-09-252-991A-20182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                    US-09-949-016-8626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-949-016-8626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 8626
                                                                                 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          451
                                                                                                                          9
                             음
                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
```

20;

g

ò

g ò g ò ద

ò

```
Sequence 32743, Application US/09252991A

Sequence 32743, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
APPLICAMT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196 136
FULER REFERENCE: 107196 136
CURRENT PILICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER: OF 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER: OF 60/094,190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          281 -----NNVVSRRNVNQTRLKRVLSGATLPDKLRDKLKLMKQRRKPPG----FLALV 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       288 -GEPPOGWLORRPRCPPAFPPRSAGGGARGHLRGLHRRPAPVRRRARPRGSORKRVAAGG 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(1549)B
FILE REFERENCE: 28-10(1549)B
CURRENT APPLICATION NUMBER: 60/217,883
PRIOR PILING DATE: 2000-07-10
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 14780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    179 DGHRRCLHPRLPAGRRGLPRRRLRGAV--ANLPSRARDH----GVRRRPAGGGLFRLGLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        328 KILREEEEWEATLGPDRESLEGLEVAPRPPAR-ITG------VGAVPLPASGNSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels 128; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 4.5%; Score 110; DB 4; Length 718; Best Local Similarity 21.7%; Pred. No. 0.027; Matches 70; Conservative 31; Mismatches 93; Indels 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             394 RGGVARAGSRGSRK-----RKRHTFCYSCGEDGHIRVQCINPSNLLL
                                     333 EEEWEATLGPDRESLEGLEVAPR---PPARITGVGAVPLP 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        242 PVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 10
2-09-902-40-14780
; Sequence 14780, Application US/09902540
; Patent No. 6833447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             440 KQAAVESGNGNWAWDKSHPKSK 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                403 AHQPAPGGRG-----HPRPR 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                  JS-09-252-991A-32743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-252-991A-32743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 32743
LENGTH: 718
     ò
                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADELICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLO01307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR PELING DATE: 2000-10-03
PRIOR PELING DATE: 2000-10-03
PRIOR PILING DATE: 2000-09-08
PRIOR PILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTESEO for Windows Version 4.0
                                                                                                                                                                                                                              : | | : | | : | | : | | : | | : | | : | | | : | | | | | : | | | | | | EPPAPSLSRPGPAAP-VTPTPGCCTDLRGLELRVQRNAEEL--------GH 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     183 EAF--W----EQELRREQAREREGOARL-QALSAATAEHAARLQALDAQARALEAELQLA 235
                                                                                                                                                                                                                                                                                                     275 LQRAVENNVVSRRNVNQTRLKRVL--SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE 332
                                                                                                                                                                                                                                                                                                                                                        277 AQELEELN----RELRQCNLQQFIQQTGAALPPPRPD------RGPPGTQGPLPPARE 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   73 IDYALLPREIPGKGG-----PWE-----VIVKPRNSDGEFLNRLNRFLEEERRTV 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALQQVFGP------VESHKIAQVK----LCKAYQEAGEKVSSFVLRLEPL 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            275 LQRAVENNVVSRRNVNQTRLKRVL--SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ----GH 171
                                                                            178 LAFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNA---SITVEECLA 234
                                                                                                                                                                                            235 ALQQVFGP-------VESHKIAQVK----LCKAYQEAGEKVSSFVLRLEPL 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SDMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A--EAPGPPSPMASATERLHQDLAVQERQSAEVQGSLALVSRALEAAERA-----LQAQ 287
                                                                                                               LAFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNA---SITVEECLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22 LILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE------NAQAILLELAQD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.5%; Score 110; DB 4; Length 384;
24.2%; Pred. No. 0.0097;
tive 49; Mismatches 144; Indels 110;
                                                                                                                                                                                                                                                                                                                                                                                                               333 EEEWEATLGPDRESLEGLEVAPR---PPARITGVGAVPLP 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 11663, Application US/09949016; Patent No. 6812339; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 24.2
Matches 97; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-949-016-11663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Fast:
SEQ ID NO 11663
                                                                                                                                                                                                                                            225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
```

g

ò

Q

ò

g

ò

qq

8

ò

Ŋ

```
Query Match
4.3%; Score 104; DB 4;
Best Local Similarity 22.5%; Pred. No. 0.042;
Matches 60; Conservative 44; Mismatches 91;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         347 LEGL -- EVAPRPPARITGVGAVPLPAS 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 12
US-09-489-039A-11848
'Sequence 11848, Application US/09489039A
'Patent No. 6610836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7309, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        165 İSGAAA-----
                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Gary Br
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-489-039A-11848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-949-016-7309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 383
                      윤
                                                                                                    g
                                                                                                                                                ò
                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 11866, Application US/09902540

Fatent No. 683347

GENERAL INFORMATION:

APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Wiegand, Roger C.

TILE REFERENCE: 30-10(15849)B

CURRENT APPLICATION NUMBER: 60/217,883

PRIOR APPLICATION NUMBER: 60/217,883

NUMBER OF SEQ ID NOS: 16625

SEQ ID NO 11866
                                                                                                                                                                                                                                                                                                                   ----VRGR-------RDLDERFIRTIG---DPEVRMREDPVRILRAVR--FAAKLG 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRRLTDAHNVLMQ------PDKREAYLRANPALAQAERAAPPPPSAPP 115
                                                                                                                                                                                                                                  GEDEGDGEDLLITHDNVFGTAQODAR------RRDFTINGLFYDVAEGRVIDY- 209
                                                                                                                                                                                                                                                                           77 LLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDMNRVLGSDTNCSAPRVT 136
                                                                                                                                                                                                                                                                                                                                                             137 ISPEFWTWAQTLGAAVQPLLE----QMLYRELRVFSGNTISIPGALAFDAWLEHTTEMLQ 192
                                                                                                                                                                                                                                                                                                                                                                                                       250 LDIESRTYAAMEG-AVEDLPRCAPARLLEETFRLIRGG-VSAPALKLLDA----LDALK 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                 193 MWQVP------EGEKR-----RALMECLRGPALQVVSGLRASNASITVEECL 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          303 ILLPPVNAYLKQHGKEĞEKTFYAFAESLDRR------VSAGEALDDAİLLAMLL 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      234 AALQQVFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTR 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        294 L----KRVLSGATLPDKLRDKLKLMKQRRKPPGF----LALVKLLREEEEWEATLGPDRE 345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   396 MLLLLAQRTLSG------ERRRRSAAFKRHPLFSEALTVFEMTVEAT-GENRE 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  227 ITVEECLAALQQ--VFGPVESHKIAQVKLCKAYQEA------GEKVSSFVLRLEPL 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     275 LQRAVE-NNVVSRRNVNQTRLKRVLSGATLPDK----LRDKLKLMKQRR-----KPP 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     322 GFLALVKLIREEEEWEATLGPDRESLEGLEVAPRPPARITGVGAVPLPASGNSFDARP-- 379
                                                                                                                                                                                        31 GEDEFE------ETLQEACRHLGRYRVIGRMFRREENAQAILLELAQD--IDYA 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        346 SLEGLEVAPRPPARITGVGAVPLP----ASGNSFDARPSQGYRRRGGQHRR 394
                                                                                                    4.3%; Score 104.5; DB 4; Length 499;
24.0%; Pred. No. 0.058;
iive 45; Mismatches 124; Indels 145;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
4.3%; Score 104; DB 4; Length 312;
Best Local Similarity 24.0%; Pred. No. 0.03;
Matches 67; Conservative 30; Mismatches 84; Indels
                    TYPE: PRT
ORGANISM: Myxococcus xanthus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Myxococcus xanthus
                                                                             Query Match
Best Local Similarity 24.0v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
US-09-902-540-11866
                                                         US-09-902-540-14780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-902-540-11866
LENGTH: 499
                                                                                                                                                                                                                                     163
                                                                                                                                                                                                                                                                                                                     210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15
                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR PILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REPERENCE: CLOO1307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
114 RRTVSDMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTIS 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        174 IPGALAFDAWLEHTTEMLQMWQVPEGEKRRLMECLRGPALQVVSGLRASNASITVEECL 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         234 AALQQVFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRA----VENNVVSRRNV 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    290 NQTRL-KRVLSGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE--EEEWEATLGPDRES 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -------RCGRAPEEVTLLAVSKTKPASAIÉEAI 197
                                                                                                   380 ----SRGSRKRKRRGGQHRRGGVARAG-----SRGSRKRKRHTFCYSCGE
                                                                                                                                        198 AAGQRAFG--ENY------VQEGVEKINHF------QAAGVSGLQWHFIGPLQS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91; Indels
                                                                                                                                                                                                                              420 DGHIRVQCINPSN----LLLVKQKK-----QAAVESGNG 449
```

```
GENERAL INFORMATION:
APPLICANT: MAC J. Rubenfield et al.
APPLICANT: MAC J. Rubenfield et al.
APPLICANT: MAC J. Rubenfield et al.
APPLICANT: MAC J. RUBENFIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 33142
LENGTH: 1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        216
                                                                                                      192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         133 PRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAFDAWLEHTTEMLQ 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               781 LEQEQLSEARLTLQEALDSMALDTERRETLLAERDALRERLDRIRQDARTHKDHAHQLAV 840
                                                257
                                                                                                                                                                                          193 MWOVPE------GEKRRR----LMECLRGPALQVVSGLRASNASITVEECLAALQ 237
                                                                                                                                                                                                                                                                           238 QVFGPVESHKIAQVKLCKAYQEAGEKV--SSFVLRL----EPLLQRAVENNVVSRRNVN 290
                                                                                                                                                                                                                                                                                                   ---RDKLKLMKQRRKPPGFLALVKLLRE 332
                                                                                                                                                                                                                                                                                                                                                                                                                                             333 EEEW----EATLGPDRESLEGLEVAPRPPARITGVGAVPLPASGN----SFDARPSQGYR 384
                                                                                                                                 206 -----ARRAEGGWRDAL-SILDQALSITYQGNELTTAISEEITGTISLSA-LDDYVAALS
                                                                                                                                                                                                                                 258 QODVPKALSCLNLLFDNGKSMTRFVTDLLHYLRDLLIVQTGGENTHHSSVFVENLALPQK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRT----VSDMNRVLGSDTNCSAPR-VTIS
                                                                                                                                                                                                                                                                                                                                                                                      83 PGKGGPWEVIVKPRNSDGEFLNRLNRFLEEE------RRTVSDMNRVLGSDTNCSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -------DEEVAELSAQQAKVEQLVLRRRRL--------DEEVAELAEQRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           217 -VSGLRASNASITVEECLAALQQVFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37 ETLQEACRHLGRY-----RVIGRMF---RREENAQAILLELAQDIDYALLPREI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels 163; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1201;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
4.2%; Score 101.5; DB 4;
Best Local Similarity 20.7%; Pred. No. 0.52;
Matches 98; Conservative 58; Mismatches 155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          193 MWQVPEGEKRRILMECLRGPALQV----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 32259, Application US/09252991A ; Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32259
                                                                                                                                                                                                                                                                                                                                                              291 OTRLKRVLSGA-TLPDKL--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      434 QNAWGEVIESLGGPDKALL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                385 RRR 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : |
479 MKR 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-252-991A-32259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   747
                                                                                                                                              g
                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                      ò
                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sequence 5058, Application US/09583110
| Sequence 5058, Application US/09583110
| Patent No. 6699703
| GENERAL INFORMATION:
| APPLICANT: Lynn Doucette-Stamm et al.
| APPLICANT: Lynn Doucette-Stamm et al.
| TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
| TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
| TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
| FILE REFERENCE: PATHON-07A
| CURRENT APPLICATION NUMBER: US 09/107, 433
| PRIOR FILING DATE: 1998-06-30
| PRIOR FILING DATE: 1998-06-30
| PRIOR FILING DATE: 1998-06-30
| PRIOR PILING DATE: 1998-06-30
| PRIOR PILING DATE: 1997-07-02
| NUMBER OF SEQ ID NOS: 5322
| FOR FILING DATE: 1997-07-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1071 EPRÓAALLEEA----ALLAERFPAQAARLHQGAEELGAEWGALASAAQACGEAVAAAGK 1125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1238 QLFLRDLRQALVVLRNQEMALSGAELPGTVESVEEALKQHRDFLTTWELSQQKMQVAVQA 1297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            106 INRFLEEERRTVSDMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRE-- 163
                                                                                                                                                                                                                                                                                                                                                                                                                                               164 -LRVFSGN--TISIPGA----LAFDAWLEHTT----EMLQMWQVPEGEKRRILMEC--- 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---LRG--PALQVVSG--LRASNASI--TVEECLAALQQVFGPVESHKIAQVKLCKAYQE 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KLKL---MKQRRKPPGFLALVKLL----REE------EEWEATLGPDRESLEGL 350
                                                                                                                                                                                                                                                                             ---GGPWEVIVKPRNSDGEFL---NR
                                                                                                                                                                                                                                                                                                                                                                                                     LORFLHDLDAFLDWLVRAQEAAGGSEGP----LPNSLEEADALLARHAALKEEVDQREED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A-----GEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSGATLPDKLRD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GEDEFEETLOEA--CRHLGRYRV--IGRMFRREENAQAILL----ELAQDIDYALLPREI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4.3%; Score 103; DB 4; Length 551;
llarity 21.5%; Pred. No. 0.098;
Conservative 63; Mismatches 163; Indels 106;
                                                                                                                                                                                                                                   52; Mismatches 125; Indels 100;
                                                                                                                                                                                            DB 4; Length 2600;
                                                                                                                                                                                                                                                                             60 ENAQAILLELAQDIDYALLPREIPGK-----
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7309
LENGTH: 2600
                                                                                                                                                                                          4.3%; Score 104; 23.3%; Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Streptococcus pneumoniae
                                                                                                                                                                                                                                   84; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 91; Conserv
                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1400 E 1400
                                                                                                                        ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        351 E 351
                                                                                                                                                US-09-949-016-7309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-583-110-5058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   260
                                                                                                           TYPE: PRT
                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

:  :   :	<u> </u>	896 ERRMAVEDELKQARLALEDADRELREVEKRRGQAEQQSQLLRGQLEQQRLEWQGLVVRRK 955	313 IMKORKKPPGFLALVKLLREEEEWEATLGPDRESLEGLEVAPRPPARITGVGAVP 367	956 ALQEQLAEDGYDLHTVLANLPLDASERDWEBRLESLAARIQRLGPIN 1002	RRG(	
841	276	968	313	956	368	1003
q <sub>0</sub>	ò	Dp	ò	qq	ઠે	q

Search completed: August 26, 2005, 16:50:27 Job time : 36.9126 secs

This Page Blank (uspto)

```
Thu Sep
```

```
August 26, 2005, 16:45:49; Search time 123.01 Seconds (without alignments) 1478.945 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                         1 MPLTLLQDWCRGEHLNTRRC.....VESGNGNWAWDKSHPKSKAK 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_MBW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
7/cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
21: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
22: /cgn2_6/ptodata/1/pubpaa/USIOB_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1767149
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1767149 seqs, 392926209 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                     - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                   US-10-037-860-13
2423
                                                                                                                                                                                                                                                                                                                                                                                                                           BLOSUM62
                                                                                                                                                                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                  OM protein
                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                                                                              Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	Sequence 13, Appl	Sequence 2385, Ap	Sequence 3, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 1, Appli	Sequence 16, Appl	Sequence 1, Appli	Sequence 10, Appl	Sequence 1, Appli
ΩI	US-10-037-860-13	US-10-408-765A-2385	US-10-504-329-3	US-09-965-529-7	US-09-969-680A-7	US-11-048-692-7	US-09-965-529-1	US-09-804-014A-16	US-09-969-680A-1	US-10-341-434-10	US-11-048-692-1
DB	13	16	11	თ	10	20	6	10	10	15	20
% Query e Match Length DB I	463	452	364	353	353	353	351	351	351	351	351
% Query Match	100.0	36.5	34.5	33.8	33.8	33.8	31.7	31.7	31.7	31.7	31.7
Score	2423	883.5	836.5	818	818	818	768.5	768.5	768.5	768.5	768.5
Result No.	1	8	٣	4	ß	9	7	80	6	10	11

9 9

1 MPLTLLODWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE 1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE

셤

ਨੇ

g Š

e 1978, Applie e 4, Applie e 73, Applie e 74, Applie e 74, Applie e 126, Applie e 126, Applie e 126, Applie e 126, Applie e 1208, Applie e 1208, Applie e 1208, Applie e 1208, Applie e 1040, Applie e 1037, Applie e 1035, Applie e 10	0;
24444444444444444444444444444444444444	Сарв
Sequence of the control of the contr	Length 463; Indels 0;
5 US-10-094-749-1978 3 US-10-037-860-4 0 US-99-804-014A-40 0 US-99-804-014A-73 0 US-99-804-014A-74 3 US-10-037-860-7 13 US-10-037-860-7 13 US-10-037-860-7 14 US-10-959-539-26 15 US-10-959-539-26 15 US-10-959-6115-1208 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-99-804-014A-42 10 US-10-937-860-9 10 US-10-937-860-9 10 US-10-937-961-13255 10 US-10-437-961-11058 10 US-10-437-961-112265 10 US-10-437-961-112265 10 US-10-437-961-12265 10 US-10-437-963-112265 10 US-10-437-963-112265 10 US-10-437-963-12265 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-12262 10 US-10-437-963-18265 10 US-10-437-963-12262 10 US-	Score 2423; DB 13; Lv Pred. No. 3e-210; 0; Mismatches 0; In
115   12   13   14   15   15   15   15   15   15   15	* * 0
329 15 329 15 329 13 318 10 312 10 312 10 312 10 312 10 283 15 402 17 120 10 120 10 120 10 120 10 149 13 149 13 149 13 149 13 16 169 16 1433 16 1433 16 1433 16 1433 16 1433 16 1433 16 1696 16 1696 16 1777 16 1711 169 1711 171 169 1711 171 169 1711 171 171 169 1711 171 171 171 171 171 171 171 171 17	100 100 vative
768.5 31.7 3 766.5 31.6 3 746.5 31.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 30.6 3 740.5 10.1 1 10.1 10.1 1 10.1 10.1 1 10.1 10.1	Similarity 3; Conser
766 9.5 766 9.5 767 9.5 768 9.5 747 0.7 747	Match Local ss 46
12 76 13 76 14 76 15 15 16 15 17 74 16 18 19 46 17 74 18 61 41 18 61 41 19 42 23 24 24 25 25 26 27 27 441 441 441 441 441 441 441 441 441 441	Query Matc Best Local Matches 4

qq

8 8 ठे

셤 ò 요 상 셤

ò 엄

```
61 NANAVLLELLEDTDVSAIPSEVQGKGGWWKVIFKTPNQDTEFLERLANLFLEKEGQTVSGM 120
                                                                  357 PARITGVGAVPLPASGNSF-DARPS--QG----YRRRRGRGQHRRGGVARAGSRGSRKR 408
                                                                                                                                                              61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEBERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 NRVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPILLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              179 AFDAWLEHTTEMLOMWOVPEGEKRRLMECLRGPALOVVSGLRASNASITVEECLAALOQ 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        239 VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240 VFGSLESRRTAQVRYLKTYQEEGEKVSAYVLRLETLLRRAVEKRAIPRRIADQVRLEGVM 299
240 GDKEDFRASQFRFLQTSPKIGEKVSTFLLRLEPLLQKAVHKSPLSVRSTDMIRLKHLLAR 299
                                             301 ATLPDKLRDKLKLMKQRRKPPGFLALVKLLREEEEWEAT----LGPDRESLEGLEVAPRP 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                         RESULT 3
US-10-504-329-3

1 Sequence 3, Application US/10504329

2 Publication No. US20050106569A1

3 GENERAL INFORMATION:

3 APPLICANT: Evotec NeuroSciences GmbH

7 TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeuronal

7 TITLE OF INVENTION: antigens for neurodegenerative diseases

7 TITLE OF INVENTION: antigens for neurodegenerative diseases

7 TITLE OF INVENTION: 2004-08-25

7 CURRENT APPLICATION NUMBER: US/10/504,329

7 CURRENT PILING DATE: 2004-08-25

7 NUMBER OF SEQ ID NOS: 15

7 SEQ ID NO 3
                                                                                                                                                                                                                                                                       -----GED-HGQATYPKAENOTPGREGPQAAGEELGNEAGAGAMSHPK 448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299 SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLREEEEWEATLGPDRESLE 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.
                                                                                                                                                                                                                            409 KRHTFCYSCGEDGHIRVQCINPSNLLLVKQKKQAAVES-GNGNWAWDKSHPK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 17; Length 364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
34.5%; Score 836.5; DB 17; Length
Best Local Similarity 49.7%; Pred. No. 9.2e-67;
Matches 174; Conservative 63; Mismatches 108; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/09965529; Publication No. US20020182671A1; GENERAL INFORMATION: APPLICANT: LAL, Preeti APPLICANT: YUE, Henry APPLICANT: TANG, Y. Tom APPLICANT: BANDWAN, Olga APPLICANT: BANDWAN, Neil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-504-329-3
                                                                                       셤
                                                                                                                                                                          ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                          8
                                                                                                                                    ò
                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                              360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                                                                                                                                                                                                                                                   ATLPDKLRDKLKMKQRRKPPGFLALVKLLREEEEWEATLGPDRESLEGLEVAPRPPARI 360
                                                                                                                                                                                                                                                                                                                                                                                           TCVGAVPLPASGNSFDARPSQGYRRRRGRGQHRRGGVARAGSRGSRKRKRHTFCYSCGED 420
                                                                                                                                                                                                                                                                                                                                                                                                                          361 TGVGAVPLPASGNSFDARPSQGYRRRGRGQHRRGGVARAGSRGSRKRKRHTFCYSCGED 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          64
                                                    NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF
                                                                                                                                           DAWLEHTTEMLOMWQVPEGEKRRRIMECLRGPALQVVSGLRASNASITVEECLAALQQVF
                                                                                                                                                                                                                              ATLPDKIRDKIKIMKQRRKPPGFIALVKLIREEEEWEATLGPDRESLEGLEVAPRPPARI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVF
                          NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF
                                                                                                                 DAWLEHTTEMLOMMOVPEGEKRRRLMECLRGPALOVVSGLRASNASITVEECLAALOQVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 452;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ghosh, Soumitra S.
APPLICANT: Fahy, Eoin D.
APPLICANT: Zhang, Bing
APPLICANT: Gibson, Bradford W.
APPLICANT: Taylor, Steven W.
APPLICANT: Glenn, Gary M.
APPLICANT: Warnock, Dale E.
TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
FILE REFERENCE: 660080.465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GHIRVQCINPSNLLLVKQKKQAAVESGNGNWAWDKSHPKSKAK 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GHIRVQCINPSNLLLVKQKKQAAVESGNGWWAWDKSHPKSKAK 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        36.5%; Score 883.5; DB 16;
42.6%; Pred. No. 7e-71;
tive 75; Mismatches 155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/408,765A
CURRENT FILING DATE: 2003-04-04
NUMBER OF SEQ ID NOS: 3077
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 2385, Application US/10408765A; Publication No. US20040101874A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             al Similarity
201; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) OKGAN1SM: DOWO
US-10-408-765A-2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-408-765A-2385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 201
                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 241
                                                                                                                 181
                                                                                                                                                              181
                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                      241
                                                                                                                                                                                                                                                                                                   301
                                                                                                                                                                                                                                                                                                                                                                                           361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121
                          121
```

유 ò g g

ò

8 6

ઠે

ų,

53

Gaps

10;

Length 353;

```
60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHUFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       120 ARVLGEGNPTPTBGPEMPAEMLNY--ILDNVIQPLVESIWYKRLTLFSGRDIPGPGEETF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DAWLEHTTEMLOMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVF 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   241 GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                                                             1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301 ATLPDKLRDKLKLMKQRRKP-PGFLALVKLLR-----EEEEWEATL 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ) NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7
                                                                                                                                                                                      33.8%; Score 818; DB 10; Length 3 49.6%; Pred. No. 4.1e-65; tive 52; Mismatches 113; Indels
                                                                                                                                                                                            Query Match 33.8
Best Local Similarity 49.6
Matches 172; Conservative
                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-048-692-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          298
                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            120 ARVLGFQNPTPTPGPEMPAEMLNY--ILDNVIQPLVESIWYKRLTLFSGRDIPGPGEETF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   178 DPWLEHTNEVLEEWQVSDVEKRRRIMESLRGPAADVIRILKSNNPAITTAECLKALEQVF 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         238 GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAG 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DAWLEHTTEMLOMWOVPEGEKRRRLMECLRGPALOVVSGLRASNASITVEECLAALOQVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
APPLICANT: BAUGHN, Mariah R.
APPLICANT: IU, Dyung Aina M.
APPLICANT: IU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEBREAR ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731 USA
CURRENT APPLICATION NUMBER: US/09/965,529
CURRENT FILIG DATE: 2001-09-26
PRIOR PATING DATE: 1999-08-17; 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301 ATLPDKLRDKLKLMKQRRKP-PGFLALVKLLR-----EEEEWEATL 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  298 ANHSGAIRRQLWLTGAGEGPAPNLFQLLVQIREEEAKEEEEEAEATL 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 33.8%; Score 818; DB 9; Length 353; 49.6%; Pred. No. 4.1e-65; Live 52; Mismatches 113; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORN, Neal; AZIMZAI, Yalda
APPLICANT: BAUGHN, MATICAN, LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REPERENCE: PP-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680A
CURRENT PILING DATE: 2001-10-02
PRIOR PILING DATE: 2000-08-14
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
SRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7, Application US/09969680A Publication No. US20030124649A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 49.6
Matches 172; Conservative
                                                                                                                                                                                                                                                                                          SEQ ID NO 7
LENGTH: 353
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 5
US-09-969-680A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-965-529-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
```

a ઠે g g

ઠે 셤 ò

ò

엄

ò

```
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.8%; Score 818; DB 20;
49.6%; Pred. No. 4.1e-65;
iive 52; Mismatches 113;
                                                                     APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BANGFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MENBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/11/048,692
CURRENT FILING DATE: 2005-02-02
PRIOR APPLICATION NUMBER: US/09/969,680
PRIOR FILING DATE: 2001-10-02
PRIOR FILING DATE: 2000-08-14
PRIOR FILING DATE: 2000-08-14
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGram
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7
Sequence 7, Application US/11048692
Publication No. US20050123990A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 49.6'
Matches 172; Conservative
```

```
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-804-014A-16
                                                                                                                                                                                                                               US-09-804-014A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
         셤
                                                   ò
                                                                                  g
                                                                                                                       ò
                                                                                                                                                      ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           238 GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAG 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NRVLGSDTNCSAPRVTISPEFWT -- WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                 GPVESHKI AQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                     NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                  59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MILRILIEDWCRGMDMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLLGRMFRRDE 60
                    181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVF
                                                                                                                                                                                                                                 DPWLEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPAITTAECLKALEGVF
MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: LAL, Preeti
APPLICANT: LAL, Preeti
APPLICANT: YUE, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: BANDMAN, Olga
APPLICANT: BANDMAN, Olga
APPLICANT: BANGMAN, Mariah R.
APPLICANT: BANGMAN, Mariah R.
APPLICANT: LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TILLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
TILLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
TILLE REFERENCE: PF-0731 US, 09/965, 529
CURRENT APPLICATION NUMBER: US/09/965, 529
CURRENT FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.7%; Score 768.5; DB 9; Length 351; 46.6%; Pred. No. 1.2e-60; cive 60; Mismatches 118; Indels 11
                                                                                                                                                                                                                                                                                                                                                       301 ATLPDKLRDKLKLMKQRRKP-PGFLALVKLLR-----EEEEWEATL 340
                                                                                                                                                                                                                                                                                                                                                                                      298 ANHSGAIRROLWLTGAGEGPAPNLFOLLVQIREEEAKEEEEEAATL 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
NAME/KEY: misc_feature
CHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
18-09-965-529-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09965529; Publication No. US20020182671A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 46.6 Matches 165; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 351
                                                                     61
                                                                                                                                                                                                                                              178
                                                                                                                                                                                                                                                                                 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                           8
                                                                  8 6
                                                                                                                          à
                                                                                                                                                               qq
                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                     엄
                                                                                                                                                                                                                                                                      à
                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
```

```
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     239
                                                                                                                                                                                  240 VFGYTDNPRELQVKYLTTYQKDEBKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             240 VFGVTDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQKGAIERDAVNQARLDQVI 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Fearandes, Elma
APPLICANT: Fearandes, Elma
APPLICANT: Shimkete, Richard
APPLICANT: Shimkete, Richard
APPLICANT: Shimkete, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REPERENCE: 15966-721 US
CURRENT APPLICATION WINBER: US/09/804,014A
CURRENT FILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
PRIOR PLING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 NRVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   179 AFDAWLEHTTEMLOMWOVPEGEKRRRIMECIRGPALOVVSGIRASNASITVEECLAALOO 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                        179 AFDAWLEHTTEMLOMWOVPEGEKRRIMECIRGPALOVVSGLRASNASITVEECLAALOO
                                                                                                                                              239 VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEFTLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299 SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE---EEEWEATLGPDRESLEG 349
                                                                                                                                                                                                                                                                                                                         11,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 31.7%; Score 768.5; DB 10; Length 351; Best Local Similarity 46.6%; Pred. No. 1.2e-60; Matches 165; Conservative 60; Mismatches 118; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 16, Application US/09804014A Publication No. US20030064489A1 GENERAL INFORMATION:
```

```
Query Match
Best Local S
Matches 165
                                                                                                                                                                                          . TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 NRKVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNFFLAGEGMTVGEL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 NRVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPILEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             179 AFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQ 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299 SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE---EEEWEATLGPDRESLEG 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299 SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE---EEEWEATLGPDRESLEG 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
APPLICANT: OriGene Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; FILE REFERENCE: 9U 204 205 R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
31.7%; Score 768.5; DB 10; Length 351;
Best Local Similarity 46.6%; Pred. No. 1.2e-60;
Matches 165; Conservative 60; Mismatches 118; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc feature; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
US-09-969-680A-1
                       APPLICANT: LAL, Preet; YUE, Henry
APPLICANT: LAL, BREEL; YUE, Henry
APPLICANT: LANG, Y. Tom; BANDMAN, Olga
APPLICANT: BAURROND, Neil; AZIMZAL, Yalda
APPLICANT: BAUGHN, MARIAH R.; LU, Dyung Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969,680A
CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOCTION NO
                                                                                                                          Sequence 1, Application US/09969680A Publication No. US20030124649A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 10
US-10-341-434-10
                                                                                           RESULT 9
US-09-969-680A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: 1
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
180 EFGRWMPHTTQMIKAWQVPDVEKRRILESIRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          179 AFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQ 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        239 VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NRVLGSDINCSAPRVIISPEFWT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MILELLEDWCRGMDMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLLGRMFRRDE 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MPLTILODWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299 SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE---EEEWEATLGPDRESLEG 349
                                                                                                                                                                                                                                                                                                                                                                                                                                             11;
                                                                                                                                                                                                                                                                                                                                                                                       Length 351;
                                                                                                                                                                                                                                                                                                                                                                                    31.7%; Score 768.5; DB 15; Length
46.6%; Pred. No. 1.2e-60;
tive 60; Mismatches 118; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/11048692
| Publication No. US20050123990A1
| GENERAL INFORMATION:
| APPLICANT: LAL, Preet; YUE, Henry
| APPLICANT: LAL, Preet; YUE, Henry
| APPLICANT: LAL, Preet; YUE, Henry
| APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
| APPLICANT: BAUGHN, MATIAH R.; LU, Dyung Aina M.
| APPLICANT: PATTERSON, Chandra
| TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
| TILE REFRENCE: PP-0731-1 USA
| CURRENT FILING DATE: 2005-02-02
| CURRENT FILING DATE: 2005-02-02
| PRIOR FILING DATE: 2001-10-02
| PRIOR PLICATION NUMBER: US/09/969,680
| PRIOR PLICATION NUMBER: 0800/22315
| PRIOR FILING DATE: 2000-08-14
| PRIOR FILING DATE: 1999-08-17
| PRIOR FILING DATE: 1999-08-17
| PRIOR FILING DATE: 1999-11-09
| NUMBER OF SEQ ID NOS: 74
| SEQ ID NO 1
| LENGTH: 351
CURRENT APPLICATION NUMBER: US/10/341,434
CURRENT FILING DATE: 2003-07-18
FRIOR APPLICATION NUMBER: US 60/348,164
PRIOR PILING DATE: 2002-01-15
PRIOR PILING DATE: 2002-01-15
PRIOR PILING DATE: 2002-01-15
NUMBER OF SEQ ID NOS: 238
SOFTWARE: Patentin version 3.1
LENGTH: 351
                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 46.6
nes 165; Conservative
                                                                                                                                                                                                                                                                                                 , ORGANISM: Homo sapiens
US-10-341-434-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 11
US-11-048-692-1
```

7

9

9

118

```
60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLFLARGWTVQDV 119
                                                                                                                                                                                                                                                                             61 NATAALVELDREVNYALVPREIPGTGGPWNVVFVPRCSGEBFLGLGRVFHFPEQEGGMVE 120
                                                                                                                                                                                                                     121 SVAGALG----VGLRRV-----CWLRSIGQAVQPWVEAVRCQSLGVFSGRDQPAPGEE 169
                                                                                                                                                                                                                                                                                                                             238 QVFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRV 297
                                                                                                                                                                                                                                                                                                                                                                                                      298 LSGATLPDKLRDKLKLMKQRRKPPGFLALVKLLREEEEWEATLG----PDRESLEGLEVA 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAQAILLELAQDIDYALLPREIPCKGCPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                            61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEF--LNRLNRFLEEERRTVS
                                                                                                                                                                                 119 DMNRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL
                                                                                                                                                                                                                                                         179 AFDAWLEHTTEMLOMWO-VPEGEKRRELMECLRGPALOVVSGLRASNASITVEECLAALO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 NRVLGSDTNCSAPRVTISPEFWTWAQTLCAAVQPLLEQMLYRELRVFSGNTISIPGALAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3;
 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 13; Length 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 13
US-10-037-860-4
; Sequence 4, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            354 PRPPARI-TGVGAVP-----LPASGNSFDARPSQGYR 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            350 AQAVARASTKVEAVPGGPGREPEGLLQAGGQEAEELLQEGLK 391
   72; Mismatches 130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31.6%; Score 766.5; DB 13;
50.2%; Pred. No. 1.7e-60;
iive 50; Mismatches 103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 50.2% Matches 157; Conservative
   171; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 4
LENGTH: 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-037-860-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                     g
                                                                                                             8
                                                                                                                                                                                 8
                                                                                                                                                                                                                     임
                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                              SPALGHENGSLDPEQGMIPEMWAPMLAQAL-EALQPALQCLKYKKLRVFSGRESPEPGEE 179
                                                                                                                                                                                                                                                                                                                                                 238
                                                                                                                                                                                                                                                                                                                                                                      EFGRWMFHTTQMIKAWQVPDVEKRRRLLESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                      NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                         61 NRKVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGMTVGEL 120
                                                                                                                                                                                                                                                                            NRVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                         VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                     179 AFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQ
                                                                                                                              1 MPLTLLQDWCRGEHLNTRRCML1LGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SGATLPDKLRDKLKLMKQRRKPPGFLALVKLLRE---EEEWEATLGPDRESLEG 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11;
                                                        Length 351;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 768.5; DB 15; Length 399;
Pred. No. 1.5e-60;
                                                      ; Score 768.5; DB 20; Length
; Pred. No. 1.2e-60;
60; Mismatches 118; Indels
; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: OTSUKA, MOTOVUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/094,749 CURRENT FILING DATE: 2002-03-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1978, Application US/10094749 Publication No. US20030219741A1 GENERAL INFORMATION: APPLICANT: ISOGAI, TAKAO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUGIYANA, TOMOYASU
OTSUKI, TETSUJI
WAKAMATSU, AI
SATO, HIROYUKI
ISHI, SHIZUKO
YAMAMOTO, JUN-ICHI
ISONO, YUUKO
HIO, YURI
OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEKI, NAOHIKO
YOSHIKAWA, TSUTOMU
                                                    31.7%;
ilarity 46.6%;
Conservative 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE: 084335/0160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                       Best Local Similarity
Matches 165; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
US-10-094-749-1978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-094-749-1978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 1978
                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                     180
                                                                                                                                                                                                                                                                                                                                                                                                                         239
                                                                                                                                                                                                                                                                            121
                                                                                                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 300
                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE
                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                    용
                                                                                                                                                            셤
                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
```

3

9 53

g

à

a

ò

```
APPLICANT: Pacigaru, mutatiumita
APPLICANT: Vernet, Corine
APPLICANT: Shimkets, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Shimkets, Richard
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Spaderna, Steven
APPLICANT: Majunder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 1266-721 US
CURRENT APPLICATION NUMBER: US/99/804,014A
CURRENT PILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR PILING DATE: 2000-03-10
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PLING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-14
PRIOR PILING DATE: 2000-03-17
PRIOR PILING DATE: 2000-03-17
PRIOR PILING DATE: 2000-03-17
PRIOR PELING DATE: 2000-03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 NRVLGSDTNCSAPRVTISPEFWT--WAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGAL 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              179 AFDAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQQ 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180 EFGRWMFHTTQMIKAWQVPDVEKRRLLESLRGPALDVIRVLKINNPLITVDECLQALEE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          239 VFGPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVL 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      240 VFGVTDNPRELQVKYLTTYQKDEEKLSAYVLRLEPLLQKLVQRGAIERDAVNQARLDQVI 299
238 GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLLQKVVEKGAIDKDNVNQARLEQVIAG 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30.6%; Score 742; DB 10;
47.2%; Pred. No. 2.7e-58;
tive 55; Mismatches 111;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         completed: August 26, 2005, 17:21:29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299 SGATLPDKLRDKLKLMKQRRKP 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :|| : :| :| | : | 300 AGA-VHKTIRRELNLPEDGPAP 320
                                                                                                                                                                                                                                                                                                                                      Sequence 39, Application US/09804014A Publication No. US20030064489A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
                                                                                                                                 298 ANHSGAIRROLWL 310
                                                                          301 ATLPDKLRDKLKL 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 47.24
Matches 152; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-804-014A-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search
                                                                                                                                             셤
                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     පු
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                   GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 DAWLEHTTEMLOMWOVPEGEKRRRLMECLRGPALOVVSGLRASNASITVEECLAALOOVF 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GPVESHKIAQVKLCKAYQEAGEKVSSFVLRLEPLLQRAVENNVVSRRNVNQTRLKRVLSG 300
                                                                      61 NAQAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60 NAKAALLELTGAVDYAAIPREMPGKGGVWKVLFKPPTSDAEFLERLHLFLAREGWTVQDV 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 NRVLGSDTNCSAPRVTISPEFWTWAQTLGAAVQPLLEQMLYRELRVFSGNTISIPGALAF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120 ARVLGFONPTPTPGPEMPAEMLNY--ILDNVIQPLVESIWYKRLTLFSGKGHPRAWRGNF 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: November, Navember, Navember, TITLE OF INVENTION: November, Navember, Navemb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGEDEFEETLQEACRHLGRYRVIGRMFRREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the OTHER INFORMATION: specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .,
,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 318;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.6%; Score 765.5; DB 10; Length
50.2%; Pred. No. 2e-60;
tive 50; Mismatches 103; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 40, Application US/09804014A, Publication No. US20030064489A1, GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vernet, Corine
Fernandes, Elma
Shimkets, Richard
Spaderna, Steven
                                                                                                                                                                                     301 ATLPDKLRDKLKL 313
                                                                                                                                                                                                                                                        298 ANHSGAIRROLWL 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 50.2
Matches 157; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Majumder, Kumud
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-804-014A-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 40
LENGTH: 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                   241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
```

9 9

> 셤 ઠે

g

ò

쉽 δ

Job time : 124.01 secs